

December 14, 2006

Zane O'Connor
TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Subject: **Calscience Work Order No.: 06-12-0520**
Client Reference: PEMACO

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/7/2006 and analyzed in accordance with the attached chain-of-custody.

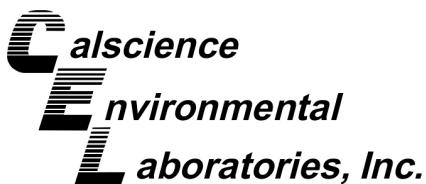
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in blue ink that reads "Virendra R Patel". The signature is enclosed in an oval shape.

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager



Case Narrative for 06-12-0520

Sample Condition on Receipt

One aqueous sample and eighteen soil samples were received as part of this Work Order on December 07, 2006. All samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (3.0°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody (COC) record. Data is presented on a wet weight basis.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

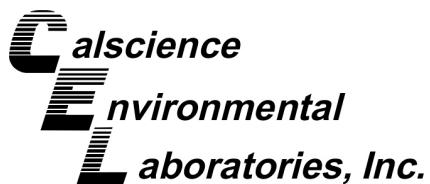
The method blank data showed non-detectable levels, with the exception of trace levels of select constituents. Please see Table A below for details.

Table A: Trace levels present in associated method blanks

EPA Method 8260B	
Batch #	Analyte(s)
061208L02	Acetone, 2-Butanone, Toluene & Hexane
061212L01	Hexane
061213L01	Toluene
061208L04	Acetone, Methylene Chloride, Hexane & Isopropanol

The method blank for batch 061213L01 was also positive for Isopropanol. The source of this contamination is attributed to the laboratory. The samples associated with this method blank were all non-detect for Isopropanol. Therefore, the results have been released without any further action or qualification.





Case Narrative for 06-12-0520

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were performed at required frequencies. All recoveries were within acceptable limits, with the exception of specific analytes by EPA Method 8260B. Please see Table B below for details.

Table B: Matrix Spike / Matrix Spike Duplicate outside acceptable limits	
EPA Method 8260B	
Batch #	Analytes(s)
061208S02	Tert-Butyl Alcohol (TBA)

Note that the corresponding Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recoveries were within control limits, indicating a matrix interference effect. Therefore, the data is released without further action or qualification.

Laboratory Control Samples

The Laboratory Control Sample (LCS) analyses were performed at the required frequencies. All recoveries were within acceptable limits.

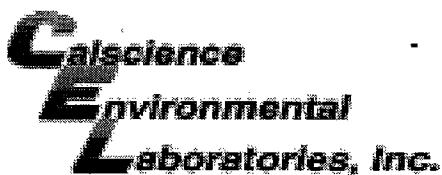
Surrogates

Surrogate recoveries for all samples were within acceptable control limits.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: **06-12-0520**QAPP: **0000**

#	<i>Client Sample ID</i>	<i>Matrix</i>	<i>Date Collected</i>	<i>NoC</i>	<i>Comment</i>
1	TMP-4-25	S	12/06/2006	4	
2	TMP-4-30	S	12/06/2006	4	
3	TMP-4-35	S	12/06/2006	4	
4	TMP-4-40	S	12/06/2006	4	
5	TMP-4-45	S	12/06/2006	4	
6	TMP-4-50	S	12/06/2006	4	
7	TMP-4-55	S	12/06/2006	4	
8	TMP-4-60	S	12/06/2006	4	
9	TMP-4-65	S	12/07/2006	4	
10	TMP-4-70	S	12/07/2006	4	
11	TMP-4-75	S	12/07/2006	4	
12	TMP-4-80	S	12/07/2006	4	
13	TMP-4-85	S	12/07/2006	4	
14	TMP-4-90	S	12/07/2006	4	
15	TMP-4-95	S	12/07/2006	4	
16	TMP-4-100	S	12/07/2006	4	
17	EB-12.6.06	W	12/06/2006	3	
18	TMP-4-35X	S	12/06/2006	4	
19	TMP-4-90X	S	12/07/2006	4	

WORK ORDER #: 06 - - Cooler 1 of 1**SAMPLE RECEIPT FORM**CLIENT: TNADATE: 12/7/16**TEMPERATURE – SAMPLES RECEIVED BY:****CALSCIENCE COURIER:**

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.

30 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: DRS**CUSTODY SEAL INTACT:**

Sample(s): _____

Cooler: _____

No (Not Intact) : _____

Not Present: _____

Initial: DRS**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u>/</u>
Sampler's name indicated on COC.....	<u>/</u>
Sample container label(s) consistent with custody papers.....	<u>/</u>
Sample container(s) intact and good condition.....	<u>/</u>
Correct containers and volume for analyses requested.....	<u>/</u>
Proper preservation noted on sample label(s).....	<u>/</u>
VOA vial(s) free of headspace.....	<u>/</u>
Tedlar bag(s) free of condensation.....	<u>/</u>

Initial: DRS**COMMENTS:**

**CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.**

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12/16/06

Page 1 of 2

LABORATORY CLIENT: TN & Associates, Inc.		CLIENT PROJECT NAME / NUMBER: Renaco/2005083		P.O. NO.:	
ADDRESS: 317 E. Main St.	PROJECT CONTACT: Zlute (f05)	LAB USE ONLY <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> 320	SAMPLER(S): (PRINT) Zine O'Connor	COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
CITY Ventura	STATE CA	ZIP 93001	COOLER RECEIPT <input type="checkbox"/>	TEMP = 0C	
TEL: 805-585-6391	E-MAIL: emutkowska@tninc.com	TURNAROUND TIME: 5 DAYS	TPH(G) (TO-3M) <input type="checkbox"/>	VOCs (TO-14A) or (TO-15) <input type="checkbox"/>	
<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 24 HR	<input type="checkbox"/> 48 HR	<input type="checkbox"/> 72 HR	<input type="checkbox"/> 5 DAYS 70 DAYS	
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)					
<input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF					
SPECIAL INSTRUCTIONS: * VOCs + hexane + isopropanol Level 3 data package					
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	MATRIX TIME	NO. OF CONT.
1	TMP-4-25	10/16/06	905	Soil	4
2	TMP-4-30	10/16/06	910		
3	TMP-4-35	10/16/06	920		
4	TMP-4-40	10/16/06	925		
5	TMP-4-45	10/16/06	935		
6	TMP-4-50	10/16/06	940		
7	TMP-4-55	10/16/06	945		
8	TMP-4-60	10/16/06	1010		
9	TMP-4-65	10/16/06	955		
10	TMP-4-70	10/16/06	1005		
Relinquished by: (Signature) <u>John</u>		Received by: (Signature/Affiliation) <u>John</u>		Date: <u>12/16/06</u> Time: <u>16:35</u>	
Relinquished by: (Signature) <u>John</u>		Received by: (Signature/Affiliation) <u>John</u>		Date: <u>12/16/06</u> Time: <u>16:00</u>	
Relinquished by: (Signature) <u>John</u>		Received by: (Signature/Affiliation) <u>John</u>		Date: <u>12/16/06</u> Time: <u>16:00</u>	

DISTRIBUTION: White with final report, Green and Yellow to Client.

Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

**CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.**

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

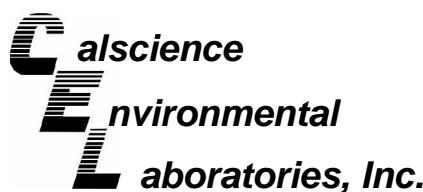
Date 10/6/06

Page 2 of 2

LABORATORY CLIENT: <u>TN Associates, Inc.</u>		CLIENT PROJECT NAME / NUMBER: <u>RWACO / 2005083</u>	P.O. NO.:
ADDRESS: <u>317 E Main St.</u>		PROJECT CONTACT: <u>Tom (805) 431-4566</u>	LAB USE ONLY <input checked="" type="checkbox"/> - <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
CITY <u>Ventura</u>	STATE <u>CA</u>	ZIP <u>93001</u>	COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TEL: <u>805-585-6391</u>	E-MAIL: <u>emiliouska@chaininc.com</u>	SAMPLER(S): (PRINT)	COOLER RECEIPT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> TEMP = <u> </u> °C
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 7-10 DAYS			
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF			
SPECIAL INSTRUCTIONS: * VOCs + hexane + isopropanol * Level 3 data package * TMP-4-80 → ms/mSD			
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING
			DATE TIME MATRIX NO. OF CONT.
11	TMP-4-75	10/6/06 10:05	soil 4
12	TMP-4-80	12/7	soil 12
13	TMP-4-85	12/7	1040 4
14	TMP-4-90	12/7	1045 4
15	TMP-4-95	12/7	1105 4
16	TMP-4-100	12/7	1110 4
17	EB-12.6.06	12/6	Ag. 3
18	TMP-4-35X	12/6	930 soil 4
19	TMP-4-90X	12/7	1100 soil 4
Relinquished by: (Signature) <u>John</u>		Received by: (Signature/Affiliation) <u>John</u>	Date: <u>12/7/06</u> Time: <u>16:32</u>
Relinquished by: (Signature) <u>Alberto</u>		Received by: (Signature/Affiliation) <u>Alberto</u>	Date: <u>12/7/06</u> Time: <u>16:05</u>
Relinquished by: (Signature) <u> </u>		Received by: (Signature/Affiliation) <u> </u>	Date: <u> </u> Time: <u> </u>

DISTRIBUTION: White with final report, Green and Yellow to Client.

Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

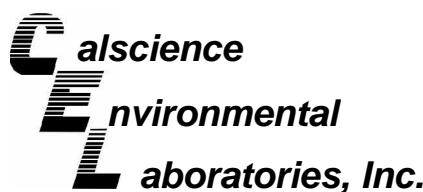
Page 1 of 25

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-25	06-12-0520-1	12/06/06	Solid	12/06/06	12/11/06	061211L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	12	44	5.7	0.887	J	2,2-Dichloropropane	ND	4.4	0.41	0.887	
Benzene	2.8	0.9	0.12	0.887		1,1-Dichloropropene	ND	1.8	0.20	0.887	
Bromobenzene	ND	0.89	0.19	0.887		c-1,3-Dichloropropene	ND	0.89	0.16	0.887	
Bromoform	ND	1.8	1.2	0.887		t-1,3-Dichloropropene	ND	1.8	1.7	0.887	
Bromochloromethane	ND	0.89	0.13	0.887		Ethylbenzene	0.14	0.89	0.14	0.887	J
Bromodichloromethane	ND	4.4	0.59	0.887		2-Hexanone	ND	18	5.0	0.887	
Bromomethane	ND	18	1.6	0.887		Isopropylbenzene	ND	0.89	0.11	0.887	
2-Butanone	ND	18	8.5	0.887		p-Isopropyltoluene	ND	0.89	0.10	0.887	
n-Butylbenzene	ND	0.89	0.20	0.887		Methylene Chloride	ND	8.9	4.6	0.887	
sec-Butylbenzene	ND	0.89	0.092	0.887		4-Methyl-2-Pentanone	ND	18	1.8	0.887	
tert-Butylbenzene	ND	0.89	0.11	0.887		Naphthalene	ND	8.9	0.29	0.887	
Carbon Disulfide	0.25	8.90	0.16	0.887	J	n-Propylbenzene	ND	0.89	0.91	0.887	
Carbon Tetrachloride	ND	0.89	0.28	0.887		Styrene	ND	0.89	0.18	0.887	
Chlorobenzene	ND	0.89	0.13	0.887		1,1,1,2-Tetrachloroethane	ND	0.89	0.30	0.887	
Chloroethane	ND	1.8	0.37	0.887		1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.887	
Chloroform	ND	0.89	0.15	0.887		Tetrachloroethene	1.8	0.9	0.15	0.887	
Chloromethane	ND	18	2.6	0.887		Toluene	1.3	0.9	0.13	0.887	
2-Chlorotoluene	ND	0.89	0.10	0.887		1,2,3-Trichlorobenzene	ND	1.8	0.18	0.887	
4-Chlorotoluene	ND	0.89	0.092	0.887		1,2,4-Trichlorobenzene	ND	1.8	0.16	0.887	
Dibromochloromethane	ND	1.8	0.18	0.887		1,1,1-Trichloroethane	ND	0.89	0.22	0.887	
1,2-Dibromo-3-Chloropropane	ND	4.4	3.3	0.887		1,1,2-Trichloroethane	ND	0.89	0.21	0.887	
1,2-Dibromoethane	ND	0.89	0.40	0.887		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.42	0.887	
Dibromomethane	ND	0.89	0.62	0.887		Trichloroethene	110	2	0.16	0.887	
1,2-Dichlorobenzene	ND	0.89	0.11	0.887		Trichlorofluoromethane	ND	8.9	0.14	0.887	
1,3-Dichlorobenzene	ND	0.89	0.14	0.887		1,2,3-Trichloropropane	ND	1.8	0.58	0.887	
1,4-Dichlorobenzene	ND	0.89	0.14	0.887		1,2,4-Trimethylbenzene	ND	1.8	0.10	0.887	
Dichlorodifluoromethane	ND	1.8	0.17	0.887		1,3,5-Trimethylbenzene	ND	1.8	0.088	0.887	
1,1-Dichloroethane	ND	0.89	0.14	0.887		Vinyl Acetate	ND	8.9	6.6	0.887	
1,2-Dichloroethane	ND	0.89	0.15	0.887		Vinyl Chloride	ND	0.89	0.19	0.887	
1,1-Dichloroethene	0.14	0.89	0.12	0.887	J	p/m-Xylene	0.32	1.80	0.18	0.887	J
c-1,2-Dichloroethene	0.89	0.89	0.25	0.887		o-Xylene	ND	0.89	0.10	0.887	
t-1,2-Dichloroethene	ND	0.89	0.22	0.887		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.12	0.887	
1,2-Dichloropropane	ND	0.89	0.24	0.887		Hexane	ND	0.89	0.092	0.887	
1,3-Dichloropropane	ND	0.89	0.16	0.887		Isopropanol	ND	44	20	0.887	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	108	71-137		1,2-Dichloroethane-d4	119	58-160					
1,4-Bromofluorobenzene	89	66-126		Toluene-d8	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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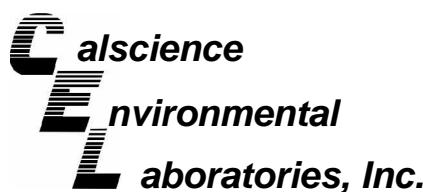
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-30	06-12-0520-2	12/06/06	Solid	12/06/06	12/11/06	061211L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	11	37	4.8	0.747	J	2,2-Dichloropropane	ND	3.7	0.34	0.747	
Benzene	0.11	0.75	0.10	0.747	J	1,1-Dichloropropene	ND	1.5	0.16	0.747	
Bromobenzene	ND	0.75	0.16	0.747		c-1,3-Dichloropropene	ND	0.75	0.14	0.747	
Bromoform	ND	1.5	1.0	0.747		t-1,3-Dichloropropene	ND	1.5	1.4	0.747	
Bromochloromethane	ND	0.75	0.11	0.747		Ethylbenzene	ND	0.75	0.12	0.747	
Bromodichloromethane	ND	3.7	0.49	0.747		2-Hexanone	ND	15	4.2	0.747	
Bromomethane	ND	15	1.4	0.747		Isopropylbenzene	ND	0.75	0.089	0.747	
2-Butanone	ND	15	7.1	0.747		p-Isopropyltoluene	ND	0.75	0.086	0.747	
n-Butylbenzene	ND	0.75	0.17	0.747		Methylene Chloride	ND	7.5	3.9	0.747	
sec-Butylbenzene	ND	0.75	0.077	0.747		4-Methyl-2-Pentanone	ND	15	1.5	0.747	
tert-Butylbenzene	ND	0.75	0.092	0.747		Naphthalene	ND	7.5	0.24	0.747	
Carbon Disulfide	ND	7.5	0.13	0.747		n-Propylbenzene	ND	0.75	0.76	0.747	
Carbon Tetrachloride	ND	0.75	0.24	0.747		Styrene	ND	0.75	0.15	0.747	
Chlorobenzene	ND	0.75	0.11	0.747		1,1,1,2-Tetrachloroethane	ND	0.75	0.25	0.747	
Chloroethane	ND	1.5	0.31	0.747		1,1,2,2-Tetrachloroethane	ND	1.5	0.17	0.747	
Chloroform	ND	0.75	0.13	0.747		Tetrachloroethene	ND	0.75	0.13	0.747	
Chloromethane	ND	15	2.2	0.747		Toluene	0.22	0.75	0.11	0.747	J
2-Chlorotoluene	ND	0.75	0.087	0.747		1,2,3-Trichlorobenzene	ND	1.5	0.15	0.747	
4-Chlorotoluene	ND	0.75	0.078	0.747		1,2,4-Trichlorobenzene	ND	1.5	0.14	0.747	
Dibromochloromethane	ND	1.5	0.15	0.747		1,1,1-Trichloroethane	ND	0.75	0.19	0.747	
1,2-Dibromo-3-Chloropropane	ND	3.7	2.7	0.747		1,1,2-Trichloroethane	ND	0.75	0.18	0.747	
1,2-Dibromoethane	ND	0.75	0.33	0.747		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	0.35	0.747	
Dibromomethane	ND	0.75	0.52	0.747		Trichloroethene	13	2	0.14	0.747	
1,2-Dichlorobenzene	ND	0.75	0.095	0.747		Trichlorofluoromethane	ND	7.5	0.12	0.747	
1,3-Dichlorobenzene	ND	0.75	0.12	0.747		1,2,3-Trichloropropane	ND	1.5	0.49	0.747	
1,4-Dichlorobenzene	ND	0.75	0.12	0.747		1,2,4-Trimethylbenzene	ND	1.5	0.087	0.747	
Dichlorodifluoromethane	ND	1.5	0.14	0.747		1,3,5-Trimethylbenzene	ND	1.5	0.074	0.747	
1,1-Dichloroethane	ND	0.75	0.12	0.747		Vinyl Acetate	ND	7.5	5.6	0.747	
1,2-Dichloroethane	ND	0.75	0.13	0.747		Vinyl Chloride	ND	0.75	0.16	0.747	
1,1-Dichloroethene	0.16	0.75	0.10	0.747	J	p/m-Xylene	ND	1.5	0.15	0.747	
c-1,2-Dichloroethene	0.23	0.75	0.21	0.747	J	o-Xylene	ND	0.75	0.086	0.747	
t-1,2-Dichloroethene	ND	0.75	0.19	0.747		Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.099	0.747	
1,2-Dichloropropane	ND	0.75	0.20	0.747		Hexane	11	1	0.078	0.747	
1,3-Dichloropropane	ND	0.75	0.13	0.747		Isopropanol	ND	37	17	0.747	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	104	71-137		1,2-Dichloroethane-d4	117	58-160					
1,4-Bromofluorobenzene	97	66-126		Toluene-d8	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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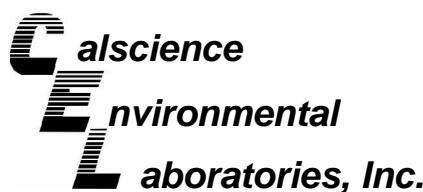
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-35	06-12-0520-3	12/06/06	Solid	12/06/06	12/12/06	061212L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	55	58	7.4	1.16	J	2,2-Dichloropropane	ND	5.8	0.53	1.16	
Benzene	0.65	1.20	0.16	1.16	J	1,1-Dichloropropene	ND	2.3	0.26	1.16	
Bromobenzene	ND	1.2	0.24	1.16		c-1,3-Dichloropropene	ND	1.2	0.21	1.16	
Bromoform	ND	2.3	1.6	1.16		t-1,3-Dichloropropene	ND	2.3	2.2	1.16	
Bromochloromethane	ND	1.2	0.17	1.16		Ethylbenzene	ND	1.2	0.18	1.16	
Bromodichloromethane	ND	5.8	0.77	1.16		2-Hexanone	ND	23	6.5	1.16	
Bromomethane	ND	23	2.1	1.16		Isopropylbenzene	ND	1.2	0.14	1.16	
2-Butanone	ND	23	11	1.16		p-Isopropyltoluene	ND	1.2	0.13	1.16	
n-Butylbenzene	ND	1.2	0.26	1.16		Methylene Chloride	ND	12	6.0	1.16	
sec-Butylbenzene	ND	1.2	0.12	1.16		4-Methyl-2-Pentanone	ND	23	2.4	1.16	
tert-Butylbenzene	ND	1.2	0.14	1.16		Naphthalene	ND	12	0.38	1.16	
Carbon Disulfide	1.3	12.0	0.20	1.16	J	n-Propylbenzene	ND	1.2	1.2	1.16	
Carbon Tetrachloride	ND	1.2	0.37	1.16		Styrene	ND	1.2	0.24	1.16	
Chlorobenzene	ND	1.2	0.17	1.16		1,1,1,2-Tetrachloroethane	ND	1.2	0.39	1.16	
Chloroethane	ND	2.3	0.48	1.16		1,1,2,2-Tetrachloroethane	ND	2.3	0.27	1.16	
Chloroform	ND	1.2	0.20	1.16		Tetrachloroethene	ND	1.2	0.20	1.16	
Chloromethane	ND	23	3.4	1.16		Toluene	0.44	1.20	0.17	1.16	J
2-Chlorotoluene	ND	1.2	0.14	1.16		1,2,3-Trichlorobenzene	ND	2.3	0.24	1.16	
4-Chlorotoluene	ND	1.2	0.12	1.16		1,2,4-Trichlorobenzene	ND	2.3	0.21	1.16	
Dibromochloromethane	ND	2.3	0.23	1.16		1,1,1-Trichloroethane	ND	1.2	0.29	1.16	
1,2-Dibromo-3-Chloropropane	ND	5.8	4.3	1.16		1,1,2-Trichloroethane	ND	1.2	0.28	1.16	
1,2-Dibromoethane	ND	1.2	0.52	1.16		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	12	0.55	1.16	
Dibromomethane	ND	1.2	0.81	1.16		Trichloroethene	5.3	2.3	0.21	1.16	
1,2-Dichlorobenzene	ND	1.2	0.15	1.16		Trichlorofluoromethane	ND	12	0.18	1.16	
1,3-Dichlorobenzene	ND	1.2	0.19	1.16		1,2,3-Trichloropropane	ND	2.3	0.75	1.16	
1,4-Dichlorobenzene	ND	1.2	0.18	1.16		1,2,4-Trimethylbenzene	ND	2.3	0.14	1.16	
Dichlorodifluoromethane	ND	2.3	0.22	1.16		1,3,5-Trimethylbenzene	ND	2.3	0.11	1.16	
1,1-Dichloroethane	ND	1.2	0.18	1.16		Vinyl Acetate	ND	12	8.7	1.16	
1,2-Dichloroethane	ND	1.2	0.20	1.16		Vinyl Chloride	ND	1.2	0.25	1.16	
1,1-Dichloroethene	ND	1.2	0.16	1.16		p/m-Xylene	ND	2.3	0.23	1.16	
c-1,2-Dichloroethene	ND	1.2	0.33	1.16		o-Xylene	ND	1.2	0.13	1.16	
t-1,2-Dichloroethene	ND	1.2	0.29	1.16		Methyl-t-Butyl Ether (MTBE)	ND	2.3	0.15	1.16	
1,2-Dichloropropane	ND	1.2	0.31	1.16		Hexane	5.3	1.2	0.12	1.16	B
1,3-Dichloropropane	ND	1.2	0.20	1.16		Isopropanol	ND	58	26	1.16	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	105	71-137			1,2-Dichloroethane-d4	121	58-160				
1,4-Bromofluorobenzene	99	66-126			Toluene-d8	98	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

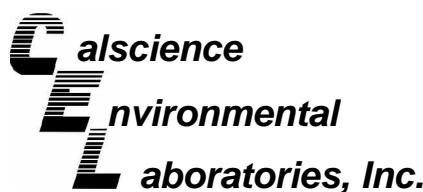
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-40	06-12-0520-4	12/06/06	Solid	12/06/06	12/12/06	061212L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	19	43	5.6	0.865	J	2,2-Dichloropropane	ND	4.3	0.40	0.865	
Benzene	3.1	0.9	0.12	0.865		1,1-Dichloropropene	ND	1.7	0.19	0.865	
Bromobenzene	ND	0.86	0.18	0.865		c-1,3-Dichloropropene	ND	0.86	0.16	0.865	
Bromoform	ND	1.7	1.2	0.865		t-1,3-Dichloropropene	ND	1.7	1.6	0.865	
Bromochloromethane	ND	0.86	0.13	0.865		Ethylbenzene	0.19	0.86	0.13	0.865	J
Bromodichloromethane	ND	4.3	0.57	0.865		2-Hexanone	ND	17	4.8	0.865	
Bromomethane	ND	17	1.6	0.865		Isopropylbenzene	ND	0.86	0.10	0.865	
2-Butanone	ND	17	8.3	0.865		p-Isopropyltoluene	ND	0.86	0.10	0.865	
n-Butylbenzene	ND	0.86	0.19	0.865		Methylene Chloride	ND	8.6	4.5	0.865	
sec-Butylbenzene	ND	0.86	0.089	0.865		4-Methyl-2-Pentanone	ND	17	1.8	0.865	
tert-Butylbenzene	ND	0.86	0.11	0.865		Naphthalene	0.32	8.60	0.28	0.865	J
Carbon Disulfide	0.37	8.60	0.15	0.865	J	n-Propylbenzene	ND	0.86	0.89	0.865	
Carbon Tetrachloride	ND	0.86	0.28	0.865		Styrene	ND	0.86	0.18	0.865	
Chlorobenzene	ND	0.86	0.13	0.865		1,1,1,2-Tetrachloroethane	ND	0.86	0.29	0.865	
Chloroethane	ND	1.7	0.36	0.865		1,1,2,2-Tetrachloroethane	ND	1.7	0.20	0.865	
Chloroform	ND	0.86	0.15	0.865		Tetrachloroethene	ND	0.86	0.15	0.865	
Chloromethane	ND	17	2.5	0.865		Toluene	1.7	0.9	0.13	0.865	
2-Chlorotoluene	ND	0.86	0.10	0.865		1,2,3-Trichlorobenzene	ND	1.7	0.18	0.865	
4-Chlorotoluene	ND	0.86	0.090	0.865		1,2,4-Trichlorobenzene	ND	1.7	0.16	0.865	
Dibromo-3-Chloropropane	ND	4.3	3.2	0.865		1,1,1-Trichloroethane	ND	0.86	0.22	0.865	
1,2-Dibromo-3-Chloropropane	ND	0.86	0.39	0.865		1,1,2-Trichloroethane	ND	0.86	0.21	0.865	
1,2-Dibromoethane	ND	0.86	0.39	0.865		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.41	0.865	
Dibromomethane	ND	0.86	0.61	0.865		Trichloroethene	30	2	0.16	0.865	
1,2-Dichlorobenzene	ND	0.86	0.11	0.865		Trichlorofluoromethane	ND	8.6	0.14	0.865	
1,3-Dichlorobenzene	ND	0.86	0.14	0.865		1,2,3-Trichloropropane	ND	1.7	0.56	0.865	
1,4-Dichlorobenzene	ND	0.86	0.13	0.865		1,2,4-Trimethylbenzene	ND	1.7	0.10	0.865	
Dichlorodifluoromethane	0.18	1.70	0.17	0.865	J	1,3,5-Trimethylbenzene	ND	1.7	0.085	0.865	
1,1-Dichloroethane	ND	0.86	0.14	0.865		Vinyl Acetate	ND	8.6	6.5	0.865	
1,2-Dichloroethane	ND	0.86	0.15	0.865		Vinyl Chloride	ND	0.86	0.19	0.865	
1,1-Dichloroethene	0.20	0.86	0.12	0.865	J	p/m-Xylene	0.36	1.70	0.17	0.865	J
c-1,2-Dichloroethene	0.61	0.86	0.24	0.865	J	o-Xylene	ND	0.86	0.099	0.865	
t-1,2-Dichloroethene	ND	0.86	0.22	0.865		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.11	0.865	
1,2-Dichloropropane	ND	0.86	0.23	0.865		Hexane	7.2	0.9	0.090	0.865	B
1,3-Dichloropropane	ND	0.86	0.15	0.865		Isopropanol	ND	43	20	0.865	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	106	71-137		1,2-Dichloroethane-d4	125	58-160					
1,4-Bromofluorobenzene	99	66-126		Toluene-d8	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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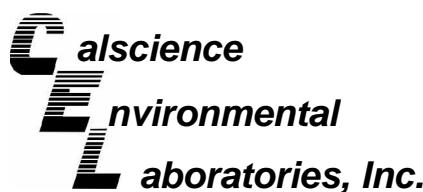
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-45	06-12-0520-5	12/06/06	Solid	12/06/06	12/12/06	061212L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	9.4	50.0	6.4	0.992	J	2,2-Dichloropropane	ND	5.0	0.45	0.992	
Benzene	0.47	0.99	0.13	0.992	J	1,1-Dichloropropene	ND	2.0	0.22	0.992	
Bromobenzene	ND	0.99	0.21	0.992		c-1,3-Dichloropropene	ND	0.99	0.18	0.992	
Bromoform	ND	2.0	1.4	0.992		t-1,3-Dichloropropene	ND	2.0	1.9	0.992	
Bromochloromethane	ND	0.99	0.15	0.992		Ethylbenzene	ND	0.99	0.15	0.992	
Bromodichloromethane	ND	5.0	0.66	0.992		2-Hexanone	ND	20	5.5	0.992	
Bromomethane	ND	20	1.8	0.992		Isopropylbenzene	ND	0.99	0.12	0.992	
2-Butanone	ND	20	9.5	0.992		p-Isopropyltoluene	ND	0.99	0.11	0.992	
n-Butylbenzene	ND	0.99	0.22	0.992		Methylene Chloride	ND	9.9	5.1	0.992	
sec-Butylbenzene	ND	0.99	0.10	0.992		4-Methyl-2-Pentanone	ND	20	2.0	0.992	
tert-Butylbenzene	ND	0.99	0.12	0.992		Naphthalene	ND	9.9	0.32	0.992	
Carbon Disulfide	0.25	9.90	0.17	0.992	J	n-Propylbenzene	ND	0.99	1.0	0.992	
Carbon Tetrachloride	ND	0.99	0.32	0.992		Styrene	ND	0.99	0.20	0.992	
Chlorobenzene	ND	0.99	0.15	0.992		1,1,1,2-Tetrachloroethane	ND	0.99	0.33	0.992	
Chloroethane	ND	2.0	0.41	0.992		1,1,2,2-Tetrachloroethane	ND	2.0	0.23	0.992	
Chloroform	ND	0.99	0.17	0.992		Tetrachloroethene	ND	0.99	0.17	0.992	
Chloromethane	ND	20	2.9	0.992		Toluene	0.50	0.99	0.15	0.992	J
2-Chlorotoluene	ND	0.99	0.12	0.992		1,2,3-Trichlorobenzene	ND	2.0	0.20	0.992	
4-Chlorotoluene	ND	0.99	0.10	0.992		1,2,4-Trichlorobenzene	ND	2.0	0.18	0.992	
Dibromochloromethane	ND	2.0	0.20	0.992		1,1,1-Trichloroethane	ND	0.99	0.25	0.992	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.6	0.992		1,1,2-Trichloroethane	ND	0.99	0.24	0.992	
1,2-Dibromoethane	ND	0.99	0.44	0.992		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	0.47	0.992	
Dibromomethane	ND	0.99	0.70	0.992		Trichloroethene	9.7	2.0	0.18	0.992	
1,2-Dichlorobenzene	ND	0.99	0.13	0.992		Trichlorofluoromethane	ND	9.9	0.16	0.992	
1,3-Dichlorobenzene	ND	0.99	0.16	0.992		1,2,3-Trichloropropane	ND	2.0	0.65	0.992	
1,4-Dichlorobenzene	ND	0.99	0.15	0.992		1,2,4-Trimethylbenzene	ND	2.0	0.12	0.992	
Dichlorodifluoromethane	ND	2.0	0.19	0.992		1,3,5-Trimethylbenzene	ND	2.0	0.098	0.992	
1,1-Dichloroethane	ND	0.99	0.16	0.992		Vinyl Acetate	ND	9.9	7.4	0.992	
1,2-Dichloroethane	ND	0.99	0.17	0.992		Vinyl Chloride	ND	0.99	0.21	0.992	
1,1-Dichloroethene	ND	0.99	0.14	0.992		p/m-Xylene	0.21	2.00	0.20	0.992	J
c-1,2-Dichloroethene	ND	0.99	0.28	0.992		o-Xylene	ND	0.99	0.11	0.992	
t-1,2-Dichloroethene	ND	0.99	0.25	0.992		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.13	0.992	
1,2-Dichloropropane	ND	0.99	0.26	0.992		Hexane	2.4	1.0	0.10	0.992	B
1,3-Dichloropropane	ND	0.99	0.17	0.992		Isopropanol	ND	50	23	0.992	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	107	71-137		1,2-Dichloroethane-d4	130	58-160					
1,4-Bromofluorobenzene	96	66-126		Toluene-d8	101	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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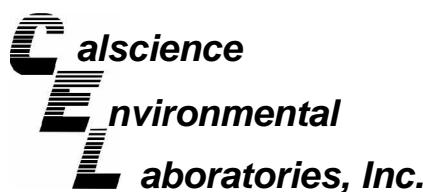
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-50	06-12-0520-6	12/06/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	46	5.8	0.911		2,2-Dichloropropane	ND	4.6	0.42	0.911	
Benzene	0.37	0.91	0.12	0.911	J	1,1-Dichloropropene	ND	1.8	0.20	0.911	
Bromobenzene	ND	0.91	0.19	0.911		c-1,3-Dichloropropene	ND	0.91	0.17	0.911	
Bromoform	ND	1.8	1.3	0.911		t-1,3-Dichloropropene	ND	1.8	1.7	0.911	
Bromochloromethane	ND	0.91	0.13	0.911		Ethylbenzene	ND	0.91	0.14	0.911	
Bromodichloromethane	ND	4.6	0.60	0.911		2-Hexanone	ND	18	5.1	0.911	
Bromomethane	ND	18	1.7	0.911		Isopropylbenzene	ND	0.91	0.11	0.911	
2-Butanone	ND	18	8.7	0.911		p-Isopropyltoluene	ND	0.91	0.11	0.911	
n-Butylbenzene	ND	0.91	0.20	0.911		Methylene Chloride	ND	9.1	4.7	0.911	
sec-Butylbenzene	ND	0.91	0.094	0.911		4-Methyl-2-Pentanone	ND	18	1.9	0.911	
tert-Butylbenzene	ND	0.91	0.11	0.911		Naphthalene	ND	9.1	0.30	0.911	
Carbon Disulfide	0.27	9.10	0.16	0.911	J	n-Propylbenzene	ND	0.91	0.93	0.911	
Carbon Tetrachloride	ND	0.91	0.29	0.911		Styrene	ND	0.91	0.19	0.911	
Chlorobenzene	ND	0.91	0.14	0.911		1,1,1,2-Tetrachloroethane	ND	0.91	0.30	0.911	
Chloroethane	ND	1.8	0.38	0.911		1,1,2,2-Tetrachloroethane	ND	1.8	0.21	0.911	
Chloroform	ND	0.91	0.16	0.911		Tetrachloroethene	ND	0.91	0.15	0.911	
Chloromethane	ND	18	2.7	0.911		Toluene	0.32	0.91	0.14	0.911	J,B
2-Chlorotoluene	ND	0.91	0.11	0.911		1,2,3-Trichlorobenzene	ND	1.8	0.19	0.911	
4-Chlorotoluene	ND	0.91	0.095	0.911		1,2,4-Trichlorobenzene	ND	1.8	0.17	0.911	
Dibromochloromethane	ND	1.8	0.18	0.911		1,1,1-Trichloroethane	ND	0.91	0.23	0.911	
1,2-Dibromo-3-Chloropropane	ND	4.6	3.3	0.911		1,1,2-Trichloroethane	ND	0.91	0.22	0.911	
1,2-Dibromoethane	ND	0.91	0.41	0.911		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.43	0.911	
Dibromomethane	ND	0.91	0.64	0.911		Trichloroethene	2.1	1.8	0.16	0.911	
1,2-Dichlorobenzene	ND	0.91	0.12	0.911		Trichlorofluoromethane	ND	9.1	0.14	0.911	
1,3-Dichlorobenzene	ND	0.91	0.15	0.911		1,2,3-Trichloropropane	ND	1.8	0.59	0.911	
1,4-Dichlorobenzene	ND	0.91	0.14	0.911		1,2,4-Trimethylbenzene	ND	1.8	0.11	0.911	
Dichlorodifluoromethane	ND	1.8	0.18	0.911		1,3,5-Trimethylbenzene	ND	1.8	0.090	0.911	
1,1-Dichloroethane	ND	0.91	0.14	0.911		Vinyl Acetate	ND	9.1	6.8	0.911	
1,2-Dichloroethane	ND	0.91	0.16	0.911		Vinyl Chloride	ND	0.91	0.20	0.911	
1,1-Dichloroethene	ND	0.91	0.13	0.911		p/m-Xylene	0.19	1.80	0.18	0.911	J
c-1,2-Dichloroethene	ND	0.91	0.26	0.911		o-Xylene	ND	0.91	0.10	0.911	
t-1,2-Dichloroethene	ND	0.91	0.23	0.911		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.12	0.911	
1,2-Dichloropropane	ND	0.91	0.24	0.911		Hexane	0.75	0.91	0.095	0.911	J
1,3-Dichloropropane	ND	0.91	0.16	0.911		Isopropanol	ND	46	21	0.911	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	105	71-137			1,2-Dichloroethane-d4	120	58-160				
1,4-Bromofluorobenzene	94	66-126			Toluene-d8	99	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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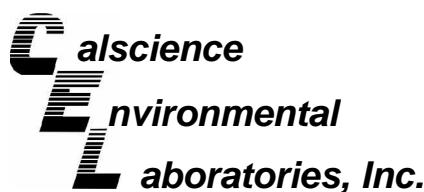
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-55	06-12-0520-7	12/06/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	6.5	42.0	5.4	0.84	J	2,2-Dichloropropane	ND	4.2	0.38	0.84	
Benzene	0.81	0.84	0.11	0.84	J	1,1-Dichloropropene	ND	1.7	0.19	0.84	
Bromobenzene	ND	0.84	0.18	0.84		c-1,3-Dichloropropene	ND	0.84	0.15	0.84	
Bromoform	ND	1.7	1.2	0.84		t-1,3-Dichloropropene	ND	1.7	1.6	0.84	
Bromochloromethane	ND	0.84	0.12	0.84		Ethylbenzene	ND	0.84	0.13	0.84	
Bromodichloromethane	ND	4.2	0.56	0.84		2-Hexanone	ND	17	4.7	0.84	
Bromomethane	ND	17	1.6	0.84		Isopropylbenzene	ND	0.84	0.10	0.84	
2-Butanone	ND	17	8.0	0.84		p-Isopropyltoluene	ND	0.84	0.097	0.84	
n-Butylbenzene	ND	0.84	0.19	0.84		Methylene Chloride	ND	8.4	4.4	0.84	
sec-Butylbenzene	ND	0.84	0.087	0.84		4-Methyl-2-Pentanone	ND	17	1.7	0.84	
tert-Butylbenzene	ND	0.84	0.10	0.84		Naphthalene	ND	8.4	0.27	0.84	
Carbon Disulfide	ND	8.4	0.15	0.84		n-Propylbenzene	ND	0.84	0.86	0.84	
Carbon Tetrachloride	ND	0.84	0.27	0.84		Styrene	ND	0.84	0.17	0.84	
Chlorobenzene	ND	0.84	0.13	0.84		1,1,1,2-Tetrachloroethane	ND	0.84	0.28	0.84	
Chloroethane	ND	1.7	0.35	0.84		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.84	
Chloroform	ND	0.84	0.14	0.84		Tetrachloroethene	0.37	0.84	0.14	0.84	J
Chloromethane	ND	17	2.4	0.84		Toluene	0.58	0.84	0.13	0.84	J,B
2-Chlorotoluene	ND	0.84	0.098	0.84		1,2,3-Trichlorobenzene	ND	1.7	0.17	0.84	
4-Chlorotoluene	ND	0.84	0.088	0.84		1,2,4-Trichlorobenzene	ND	1.7	0.15	0.84	
Dibromochloromethane	ND	1.7	0.17	0.84		1,1,1-Trichloroethane	ND	0.84	0.21	0.84	
1,2-Dibromo-3-Chloropropane	ND	4.2	3.1	0.84		1,1,2-Trichloroethane	ND	0.84	0.20	0.84	
1,2-Dibromoethane	ND	0.84	0.38	0.84		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.40	0.84	
Dibromomethane	ND	0.84	0.59	0.84		Trichloroethene	310	2	0.15	0.84	E
1,2-Dichlorobenzene	ND	0.84	0.11	0.84		Trichlorofluoromethane	ND	8.4	0.13	0.84	
1,3-Dichlorobenzene	ND	0.84	0.14	0.84		1,2,3-Trichloropropane	ND	1.7	0.55	0.84	
1,4-Dichlorobenzene	ND	0.84	0.13	0.84		1,2,4-Trimethylbenzene	ND	1.7	0.098	0.84	
Dichlorodifluoromethane	ND	1.7	0.16	0.84		1,3,5-Trimethylbenzene	ND	1.7	0.083	0.84	
1,1-Dichloroethane	ND	0.84	0.13	0.84		Vinyl Acetate	ND	8.4	6.3	0.84	
1,2-Dichloroethane	ND	0.84	0.14	0.84		Vinyl Chloride	0.75	0.84	0.18	0.84	J
1,1-Dichloroethene	0.48	0.84	0.12	0.84	J	p/m-Xylene	0.29	1.70	0.17	0.84	J
c-1,2-Dichloroethene	3.1	0.8	0.24	0.84		o-Xylene	ND	0.84	0.096	0.84	
t-1,2-Dichloroethene	0.63	0.84	0.21	0.84	J	Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.11	0.84	
1,2-Dichloropropane	ND	0.84	0.22	0.84		Hexane	1.5	0.8	0.087	0.84	
1,3-Dichloropropane	ND	0.84	0.15	0.84		Isopropanol	ND	42	19	0.84	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	103	71-137		1,2-Dichloroethane-d4	120	58-160					
1,4-Bromofluorobenzene	96	66-126		Toluene-d8	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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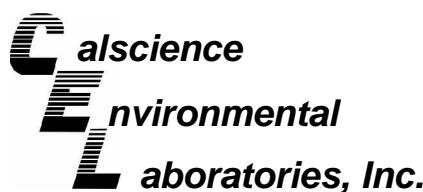
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-55	06-12-0520-7	12/06/06	Solid	12/06/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	330	89	8.1	44.5									
Surrogates:	REC (%)	Control Limits		Qual									
Dibromofluoromethane	103	71-137				1,2-Dichloroethane-d4				122	58-160		
1,4-Bromofluorobenzene	98	66-126				Toluene-d8				103	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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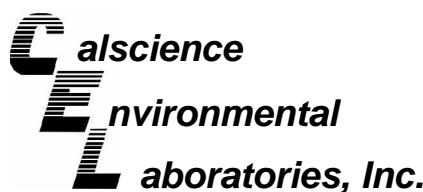
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-60	06-12-0520-8	12/06/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	13	44	5.6	0.877	J	2,2-Dichloropropane	ND	4.4	0.40	0.877	
Benzene	0.53	0.88	0.12	0.877	J	1,1-Dichloropropene	ND	1.8	0.19	0.877	
Bromobenzene	ND	0.88	0.18	0.877		c-1,3-Dichloropropene	ND	0.88	0.16	0.877	
Bromoform	ND	1.8	1.2	0.877		t-1,3-Dichloropropene	ND	1.8	1.7	0.877	
Bromochloromethane	ND	0.88	0.13	0.877		Ethylbenzene	ND	0.88	0.14	0.877	
Bromodichloromethane	ND	4.4	0.58	0.877		2-Hexanone	ND	18	4.9	0.877	
Bromomethane	ND	18	1.6	0.877		Isopropylbenzene	ND	0.88	0.10	0.877	
2-Butanone	ND	18	8.4	0.877		p-Isopropyltoluene	ND	0.88	0.10	0.877	
n-Butylbenzene	ND	0.88	0.19	0.877		Methylene Chloride	ND	8.8	4.5	0.877	
sec-Butylbenzene	ND	0.88	0.091	0.877		4-Methyl-2-Pentanone	ND	18	1.8	0.877	
tert-Butylbenzene	ND	0.88	0.11	0.877		Naphthalene	ND	8.8	0.29	0.877	
Carbon Disulfide	0.80	8.80	0.15	0.877	J	n-Propylbenzene	ND	0.88	0.90	0.877	
Carbon Tetrachloride	ND	0.88	0.28	0.877		Styrene	ND	0.88	0.18	0.877	
Chlorobenzene	ND	0.88	0.13	0.877		1,1,1,2-Tetrachloroethane	ND	0.88	0.29	0.877	
Chloroethane	ND	1.8	0.36	0.877		1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.877	
Chloroform	ND	0.88	0.15	0.877		Tetrachloroethene	ND	0.88	0.15	0.877	
Chloromethane	3.1	18.0	2.6	0.877	J	Toluene	0.44	0.88	0.13	0.877	J,B
2-Chlorotoluene	ND	0.88	0.10	0.877		1,2,3-Trichlorobenzene	ND	1.8	0.18	0.877	
4-Chlorotoluene	ND	0.88	0.091	0.877		1,2,4-Trichlorobenzene	ND	1.8	0.16	0.877	
Dibromochloromethane	ND	1.8	0.18	0.877		1,1,1-Trichloroethane	ND	0.88	0.22	0.877	
1,2-Dibromo-3-Chloropropane	ND	4.4	3.2	0.877		1,1,2-Trichloroethane	ND	0.88	0.21	0.877	
1,2-Dibromoethane	ND	0.88	0.39	0.877		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.41	0.877	
Dibromomethane	ND	0.88	0.62	0.877		Trichloroethene	20	2	0.16	0.877	
1,2-Dichlorobenzene	ND	0.88	0.11	0.877		Trichlorofluoromethane	ND	8.8	0.14	0.877	
1,3-Dichlorobenzene	ND	0.88	0.14	0.877		1,2,3-Trichloropropane	ND	1.8	0.57	0.877	
1,4-Dichlorobenzene	ND	0.88	0.14	0.877		1,2,4-Trimethylbenzene	ND	1.8	0.10	0.877	
Dichlorodifluoromethane	ND	1.8	0.17	0.877		1,3,5-Trimethylbenzene	ND	1.8	0.087	0.877	
1,1-Dichloroethane	ND	0.88	0.14	0.877		Vinyl Acetate	ND	8.8	6.5	0.877	
1,2-Dichloroethane	ND	0.88	0.15	0.877		Vinyl Chloride	ND	0.88	0.19	0.877	
1,1-Dichloroethene	ND	0.88	0.12	0.877		p/m-Xylene	0.24	1.80	0.18	0.877	J
c-1,2-Dichloroethene	ND	0.88	0.25	0.877		o-Xylene	ND	0.88	0.10	0.877	
t-1,2-Dichloroethene	ND	0.88	0.22	0.877		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.12	0.877	
1,2-Dichloropropane	ND	0.88	0.23	0.877		Hexane	3.5	0.9	0.091	0.877	
1,3-Dichloropropane	ND	0.88	0.15	0.877		Isopropanol	ND	44	20	0.877	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	106	71-137		1,2-Dichloroethane-d4	122	58-160					
1,4-Bromofluorobenzene	97	66-126		Toluene-d8	97	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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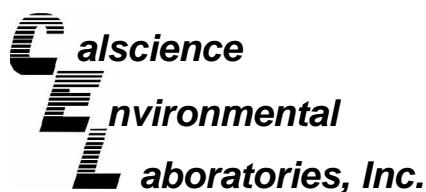
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-65	06-12-0520-9	12/07/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	48	6.2	0.96		2,2-Dichloropropane	ND	4.8	0.44	0.96	
Benzene	0.82	0.96	0.13	0.96	J	1,1-Dichloropropene	ND	1.9	0.21	0.96	
Bromobenzene	ND	0.96	0.20	0.96		c-1,3-Dichloropropene	ND	0.96	0.18	0.96	
Bromoform	ND	1.9	1.3	0.96		t-1,3-Dichloropropene	ND	1.9	1.8	0.96	
Bromochloromethane	ND	0.96	0.14	0.96		Ethylbenzene	ND	0.96	0.15	0.96	
Bromodichloromethane	ND	4.8	0.64	0.96		2-Hexanone	ND	19	5.4	0.96	
Bromomethane	ND	19	1.8	0.96		Isopropylbenzene	ND	0.96	0.11	0.96	
2-Butanone	ND	19	9.2	0.96		p-Isopropyltoluene	ND	0.96	0.11	0.96	
n-Butylbenzene	ND	0.96	0.21	0.96		Methylene Chloride	ND	9.6	5.0	0.96	
sec-Butylbenzene	ND	0.96	0.099	0.96		4-Methyl-2-Pentanone	ND	19	2.0	0.96	
tert-Butylbenzene	ND	0.96	0.12	0.96		Naphthalene	ND	9.6	0.31	0.96	
Carbon Disulfide	ND	9.6	0.17	0.96		n-Propylbenzene	ND	0.96	0.98	0.96	
Carbon Tetrachloride	ND	0.96	0.31	0.96		Styrene	ND	0.96	0.20	0.96	
Chlorobenzene	ND	0.96	0.14	0.96		1,1,1,2-Tetrachloroethane	ND	0.96	0.32	0.96	
Chloroethane	ND	1.9	0.40	0.96		1,1,2,2-Tetrachloroethane	ND	1.9	0.22	0.96	
Chloroform	ND	0.96	0.17	0.96		Tetrachloroethene	0.43	0.96	0.16	0.96	J
Chloromethane	ND	19	2.8	0.96		Toluene	0.55	0.96	0.14	0.96	J,B
2-Chlorotoluene	ND	0.96	0.11	0.96		1,2,3-Trichlorobenzene	ND	1.9	0.20	0.96	
4-Chlorotoluene	ND	0.96	0.10	0.96		1,2,4-Trichlorobenzene	ND	1.9	0.18	0.96	
Dibromochloromethane	ND	1.9	0.19	0.96		1,1,1-Trichloroethane	ND	0.96	0.24	0.96	
1,2-Dibromo-3-Chloropropane	ND	4.8	3.5	0.96		1,1,2-Trichloroethane	ND	0.96	0.23	0.96	
1,2-Dibromoethane	ND	0.96	0.43	0.96		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.6	0.45	0.96	
Dibromomethane	ND	0.96	0.67	0.96		Trichloroethene	410	2	0.17	0.96	E
1,2-Dichlorobenzene	ND	0.96	0.12	0.96		Trichlorofluoromethane	ND	9.6	0.15	0.96	
1,3-Dichlorobenzene	ND	0.96	0.16	0.96		1,2,3-Trichloropropane	ND	1.9	0.62	0.96	
1,4-Dichlorobenzene	ND	0.96	0.15	0.96		1,2,4-Trimethylbenzene	ND	1.9	0.11	0.96	
Dichlorodifluoromethane	ND	1.9	0.19	0.96		1,3,5-Trimethylbenzene	ND	1.9	0.095	0.96	
1,1-Dichloroethane	ND	0.96	0.15	0.96		Vinyl Acetate	ND	9.6	7.2	0.96	
1,2-Dichloroethane	ND	0.96	0.16	0.96		Vinyl Chloride	0.75	0.96	0.21	0.96	J
1,1-Dichloroethene	0.66	0.96	0.13	0.96	J	p/m-Xylene	0.24	1.90	0.19	0.96	J
c-1,2-Dichloroethene	2.9	1.0	0.27	0.96		o-Xylene	ND	0.96	0.11	0.96	
t-1,2-Dichloroethene	0.93	0.96	0.24	0.96	J	Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.13	0.96	
1,2-Dichloropropane	ND	0.96	0.26	0.96		Hexane	1.6	1.0	0.10	0.96	
1,3-Dichloropropane	ND	0.96	0.17	0.96		Isopropanol	ND	48	22	0.96	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	79	71-137		1,2-Dichloroethane-d4	112	58-160					
1,4-Bromofluorobenzene	93	66-126		Toluene-d8	102	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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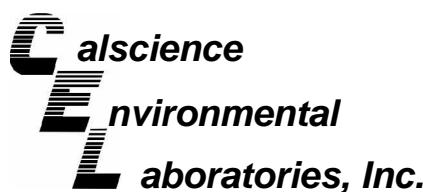
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-65	06-12-0520-9	12/07/06	Solid	12/06/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Trichloroethene	420	95	8.6	47.3									
Surrogates:	REC (%)	Control Limits		Qual									
Dibromofluoromethane	102	71-137				1,2-Dichloroethane-d4				122	58-160		
1,4-Bromofluorobenzene	98	66-126				Toluene-d8				102	87-111		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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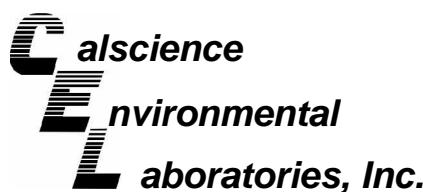
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-70	06-12-0520-10	12/07/06	Solid	12/06/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2200	280	44.1		2,2-Dichloropropane	ND	220	20	44.1	
Benzene	ND	44	5.9	44.1		1,1-Dichloropropene	ND	88	9.7	44.1	
Bromobenzene	ND	44	9.2	44.1		c-1,3-Dichloropropene	ND	44	8.1	44.1	
Bromoform	ND	88	61	44.1		t-1,3-Dichloropropene	ND	88	84	44.1	
Bromochloromethane	ND	44	6.5	44.1		Ethylbenzene	ND	44	6.8	44.1	
Bromodichloromethane	ND	220	29	44.1		2-Hexanone	ND	880	250	44.1	
Bromoform	ND	880	81	44.1		Isopropylbenzene	ND	44	5.2	44.1	
Bromomethane	ND	880	420	44.1		p-Isopropyltoluene	ND	44	5.1	44.1	
2-Butanone	ND	44	9.8	44.1		Methylene Chloride	330	440	230	44.1	J,B
n-Butylbenzene	ND	44	4.6	44.1		4-Methyl-2-Pentanone	ND	880	90	44.1	
sec-Butylbenzene	ND	44	5.4	44.1		Naphthalene	ND	440	14	44.1	
tert-Butylbenzene	ND	440	7.7	44.1		n-Propylbenzene	ND	44	45	44.1	
Carbon Disulfide	ND	44	14	44.1		Styrene	ND	44	9.1	44.1	
Carbon Tetrachloride	ND	44	6.6	44.1		1,1,1,2-Tetrachloroethane	ND	44	15	44.1	
Chlorobenzene	ND	88	18	44.1		1,1,2,2-Tetrachloroethane	ND	88	10	44.1	
Chloroethane	ND	44	7.6	44.1		Tetrachloroethene	ND	44	7.5	44.1	
Chloroform	ND	880	130	44.1		Toluene	ND	44	6.6	44.1	
Chloromethane	ND	44	5.1	44.1		1,2,3-Trichlorobenzene	ND	88	9.0	44.1	
2-Chlorotoluene	ND	44	4.6	44.1		1,2,4-Trichlorobenzene	ND	88	8.1	44.1	
Dibromo-3-Chloropropane	ND	220	160	44.1		1,1,1-Trichloroethane	ND	44	11	44.1	
Dibromoethane	ND	44	20	44.1		1,1,2-Trichloroethane	ND	44	11	44.1	
Dibromomethane	ND	44	31	44.1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	21	44.1	
1,2-Dibromo-3-Chloropropane	ND	88	8.8	44.1		Trichloroethene	2100	88	8.0	44.1	
1,2-Dibromoethane	ND	44	160	44.1		Trichlorofluoromethane	ND	440	6.9	44.1	
1,2-Dibromoethane	ND	44	20	44.1		1,2,3-Trichloropropane	ND	88	29	44.1	
1,2-Dichlorobenzene	ND	44	31	44.1		1,2,4-Trimethylbenzene	ND	88	5.1	44.1	
1,3-Dichlorobenzene	ND	44	5.6	44.1		1,3,5-Trimethylbenzene	ND	88	4.4	44.1	
1,4-Dichlorobenzene	ND	44	7.2	44.1		Vinyl Acetate	ND	440	330	44.1	
Dichlorodifluoromethane	ND	44	6.8	44.1		Vinyl Chloride	ND	44	9.5	44.1	
1,1-Dichloroethane	ND	88	8.5	44.1		p/m-Xylene	ND	88	8.9	44.1	
1,2-Dichloroethane	ND	44	7.0	44.1		o-Xylene	ND	44	5.1	44.1	
1,1-Dichloroethene	ND	44	7.5	44.1		Methyl-t-Butyl Ether (MTBE)	ND	88	5.9	44.1	
c-1,2-Dichloroethene	ND	44	6.1	44.1		Hexane	14	44	4.6	44.1	J,B
t-1,2-Dichloroethene	ND	44	12	44.1		Isopropanol	ND	2200	1000	44.1	
1,2-Dichloropropane	ND	44	11	44.1		Surrogates:	REC (%)	Control Limits	Qual		
1,3-Dichloropropane	ND	44	12	44.1		Surrogates:	REC (%)	Control Limits	Qual		
Surrogates:	REC (%)	Control Limits	Qual								
Dibromofluoromethane	99	71-137				1,2-Dichloroethane-d4	120	58-160			
1,4-Bromofluorobenzene	99	66-126				Toluene-d8	102	87-111			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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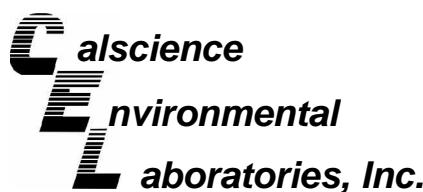
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-75	06-12-0520-11	12/07/06	Solid	12/06/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2300	300	46.8		2,2-Dichloropropane	ND	230	21	46.8	
Benzene	ND	47	6.3	46.8		1,1-Dichloropropene	ND	94	10	46.8	
Bromobenzene	ND	47	9.8	46.8		c-1,3-Dichloropropene	ND	47	8.6	46.8	
Bromoform	ND	94	65	46.8		t-1,3-Dichloropropene	ND	94	89	46.8	
Bromochloromethane	ND	47	6.9	46.8		Ethylbenzene	ND	47	7.2	46.8	
Bromodichloromethane	ND	230	31	46.8		2-Hexanone	ND	940	260	46.8	
Bromoform	ND	940	86	46.8		Isopropylbenzene	ND	47	5.5	46.8	
Bromomethane	ND	940	450	46.8		p-Isopropyltoluene	ND	47	5.4	46.8	
2-Butanone	ND	47	10	46.8		Methylene Chloride	310	470	240	46.8	J,B
n-Butylbenzene	ND	47	4.8	46.8		4-Methyl-2-Pentanone	ND	940	95	46.8	
sec-Butylbenzene	ND	47	5.8	46.8		Naphthalene	ND	470	15	46.8	
tert-Butylbenzene	ND	470	8.2	46.8		n-Propylbenzene	ND	47	48	46.8	
Carbon Disulfide	ND	47	15	46.8		Styrene	ND	47	9.6	46.8	
Carbon Tetrachloride	ND	47	7.0	46.8		1,1,1,2-Tetrachloroethane	ND	47	16	46.8	
Chlorobenzene	ND	94	19	46.8		1,1,2,2-Tetrachloroethane	ND	94	11	46.8	
Chloroethane	ND	47	8.1	46.8		Tetrachloroethene	ND	47	7.9	46.8	
Chloroform	ND	940	140	46.8		Toluene	ND	47	7.0	46.8	
Chloromethane	ND	47	5.5	46.8		1,2,3-Trichlorobenzene	ND	94	9.6	46.8	
2-Chlorotoluene	ND	47	4.9	46.8		1,2,4-Trichlorobenzene	ND	94	8.6	46.8	
Dibromo-3-Chloropropane	ND	230	170	46.8		Dibromo-1,1,1-Trichloroethane	ND	47	11	46.8	
Dibromo-3-Chloropropane	ND	47	21	46.8		Dibromo-1,1,2-Trichloroethane	ND	470	22	46.8	
Dibromomethane	ND	47	33	46.8		Dibromo-1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	510	94	8.5	46.8
Dibromochloromethane	ND	94	9.3	46.8		Trichloroethene	ND	470	7.3	46.8	
Dibromo-3-Chloropropane	ND	47	6.0	46.8		Trichlorofluoromethane	ND	94	30	46.8	
Dibromo-3-Chloropropane	ND	47	7.6	46.8		1,2,3-Trichloropropane	ND	94	5.5	46.8	
Dibromo-3-Chloropropane	ND	47	7.2	46.8		1,2,4-Trimethylbenzene	ND	94	4.6	46.8	
Dichlorodifluoromethane	ND	94	9.0	46.8		1,3,5-Trimethylbenzene	ND	470	350	46.8	
1,1-Dichloroethane	ND	47	7.4	46.8		Vinyl Acetate	ND	47	10	46.8	
1,2-Dichloroethane	ND	47	8.0	46.8		Vinyl Chloride	ND	47	9.4	46.8	
1,1-Dichloroethene	ND	47	6.5	46.8		p/m-Xylene	ND	47	5.4	46.8	
c-1,2-Dichloroethene	ND	47	13	46.8		o-Xylene	ND	470	6.2	46.8	
t-1,2-Dichloroethene	ND	47	12	46.8		Methyl-t-Butyl Ether (MTBE)	ND	14	47	4.9	46.8
1,2-Dichloropropane	ND	47	12	46.8		Hexane	ND	2300	1100	46.8	J,B
1,3-Dichloropropane	ND	47	8.2	46.8		Isopropanol	103	58-160	87-111		
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	100	71-137			1,2-Dichloroethane-d4	122					
1,4-Bromofluorobenzene	98	66-126			Toluene-d8	103					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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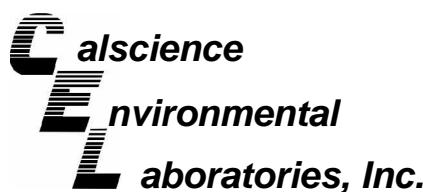
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-80	06-12-0520-12	12/07/06	Solid	12/06/06	12/08/06	061208L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2100	270	41.7		2,2-Dichloropropane	ND	210	19	41.7	
Benzene	ND	42	5.6	41.7		1,1-Dichloropropene	ND	83	9.2	41.7	
Bromobenzene	ND	42	8.7	41.7		c-1,3-Dichloropropene	ND	42	7.6	41.7	
Bromoform	ND	83	58	41.7		t-1,3-Dichloropropene	ND	83	79	41.7	
Bromochloromethane	ND	42	6.1	41.7		Ethylbenzene	ND	42	6.5	41.7	
Bromodichloromethane	ND	210	28	41.7		2-Hexanone	ND	830	230	41.7	
Bromoform	ND	830	77	41.7		Isopropylbenzene	ND	42	4.9	41.7	
Bromomethane	ND	830	400	41.7		p-Isopropyltoluene	ND	42	4.8	41.7	
2-Butanone	ND	42	9.3	41.7		Methylene Chloride	270	420	220	41.7	J
n-Butylbenzene	ND	42	4.3	41.7		4-Methyl-2-Pentanone	ND	830	85	41.7	
sec-Butylbenzene	ND	42	5.1	41.7		Naphthalene	ND	420	14	41.7	
tert-Butylbenzene	ND	420	7.3	41.7		n-Propylbenzene	ND	42	43	41.7	
Carbon Disulfide	ND	42	13	41.7		Styrene	ND	42	8.6	41.7	
Carbon Tetrachloride	ND	830	6.2	41.7		1,1,1,2-Tetrachloroethane	ND	42	14	41.7	
Chlorobenzene	ND	42	17	41.7		1,1,2,2-Tetrachloroethane	ND	83	9.6	41.7	
Chloroethane	ND	83	7.2	41.7		Tetrachloroethene	ND	42	7.1	41.7	
Chloroform	ND	830	120	41.7		Toluene	ND	42	6.3	41.7	
Chloromethane	ND	42	4.9	41.7		1,2,3-Trichlorobenzene	ND	83	8.5	41.7	
2-Chlorotoluene	ND	42	4.3	41.7		1,2,4-Trichlorobenzene	ND	83	7.6	41.7	
4-Chlorotoluene	ND	83	8.3	41.7		1,1,1-Trichloroethane	ND	42	11	41.7	
Dibromo-3-Chloropropane	ND	210	150	41.7		1,1,2-Trichloroethane	ND	42	10	41.7	
1,2-Dibromo-3-Chloropropane	ND	42	19	41.7		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	420	20	41.7	
1,2-Dibromoethane	ND	42	29	41.7		Trichloroethene	1700	83	7.6	41.7	
Dibromomethane	ND	42	5.3	41.7		Trichlorofluoromethane	ND	420	6.5	41.7	
1,2-Dichlorobenzene	ND	42	6.8	41.7		1,2,3-Trichloropropane	ND	83	27	41.7	
1,3-Dichlorobenzene	ND	42	6.4	41.7		1,2,4-Trimethylbenzene	ND	83	4.9	41.7	
1,4-Dichlorobenzene	ND	83	8.1	41.7		1,3,5-Trimethylbenzene	ND	83	4.1	41.7	
Dichlorodifluoromethane	ND	42	6.6	41.7		Vinyl Acetate	ND	420	310	41.7	
1,1-Dichloroethane	ND	42	7.1	41.7		Vinyl Chloride	ND	42	9.0	41.7	
1,1-Dichloroethene	ND	42	5.8	41.7		p/m-Xylene	ND	83	8.4	41.7	
c-1,2-Dichloroethene	ND	42	12	41.7		o-Xylene	ND	42	4.8	41.7	
t-1,2-Dichloroethene	ND	42	11	41.7		Methyl-t-Butyl Ether (MTBE)	ND	83	5.5	41.7	
1,2-Dichloropropane	ND	42	11	41.7		Hexane	15	42	4.3	41.7	J,B
1,3-Dichloropropane	ND	42	7.3	41.7		Isopropanol	ND	2100	950	41.7	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual		
Dibromofluoromethane	99	71-137			1,2-Dichloroethane-d4	113	58-160				
1,4-Bromofluorobenzene	100	66-126			Toluene-d8	101	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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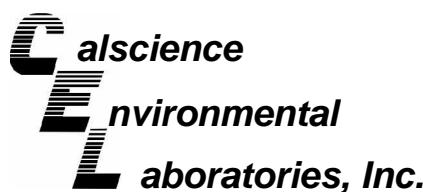
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-85	06-12-0520-13	12/07/06	Solid	12/06/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2300	290	45.6		2,2-Dichloropropane	ND	230	21	45.6	
Benzene	ND	46	6.1	45.6		1,1-Dichloropropene	ND	91	10	45.6	
Bromobenzene	ND	46	9.5	45.6		c-1,3-Dichloropropene	ND	46	8.3	45.6	
Bromoform	ND	91	63	45.6		t-1,3-Dichloropropene	ND	91	87	45.6	
Bromochloromethane	ND	46	6.7	45.6		Ethylbenzene	ND	46	7.1	45.6	
Bromodichloromethane	ND	230	30	45.6		2-Hexanone	ND	910	260	45.6	
Bromoform	ND	910	84	45.6		Isopropylbenzene	ND	46	5.4	45.6	
Bromomethane	ND	910	440	45.6		p-Isopropyltoluene	ND	46	5.3	45.6	
2-Butanone	ND	46	10	45.6		Methylene Chloride	350	460	240	45.6	J,B
n-Butylbenzene	ND	46	4.7	45.6		4-Methyl-2-Pentanone	ND	910	93	45.6	
sec-Butylbenzene	ND	46	5.6	45.6		Naphthalene	ND	460	15	45.6	
tert-Butylbenzene	ND	46	15	45.6		n-Propylbenzene	ND	46	47	45.6	
Carbon Disulfide	ND	46	8.0	45.6		Styrene	ND	46	9.4	45.6	
Carbon Tetrachloride	ND	910	130	45.6		1,1,1,2-Tetrachloroethane	ND	46	15	45.6	
Chlorobenzene	ND	46	6.8	45.6		1,1,2,2-Tetrachloroethane	ND	91	11	45.6	
Chloroethane	ND	91	19	45.6		Tetrachloroethene	ND	46	7.7	45.6	
Chloroform	ND	46	7.9	45.6		Toluene	ND	46	6.8	45.6	
Chloromethane	ND	910	170	45.6		1,2,3-Trichlorobenzene	ND	91	9.3	45.6	
2-Chlorotoluene	ND	46	5.3	45.6		1,2,4-Trichlorobenzene	ND	91	8.3	45.6	
4-Chlorotoluene	ND	46	4.8	45.6		Dibromo-3-Chloropropane	ND	46	11	45.6	
Dibromochloromethane	ND	91	9.1	45.6		1,1,1-Trichloroethane	ND	46	12	45.6	
1,2-Dibromo-3-Chloropropane	ND	230	20	45.6		1,1,2-Trichloroethane	ND	46	11	45.6	
1,2-Dibromoethane	ND	46	32	45.6		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	460	22	45.6	
Dibromomethane	ND	46	5.8	45.6		Trichloroethene	890	91	8.3	45.6	
1,2-Dichlorobenzene	ND	46	7.4	45.6		Trichlorofluoromethane	ND	460	7.1	45.6	
1,3-Dichlorobenzene	ND	46	7.0	45.6		1,2,3-Trichloropropane	ND	91	30	45.6	
1,4-Dichlorobenzene	ND	91	8.8	45.6		1,2,4-Trimethylbenzene	ND	91	5.3	45.6	
Dichlorodifluoromethane	ND	46	7.3	45.6		1,3,5-Trimethylbenzene	ND	91	4.5	45.6	
1,1-Dichloroethane	ND	46	7.8	45.6		Vinyl Acetate	ND	460	340	45.6	
1,2-Dichloroethane	ND	46	6.3	45.6		Vinyl Chloride	ND	46	9.8	45.6	
1,1-Dichloroethene	ND	46	13	45.6		p/m-Xylene	ND	91	9.2	45.6	
c-1,2-Dichloroethene	ND	46	12	45.6		o-Xylene	ND	46	5.2	45.6	
t-1,2-Dichloroethene	ND	46	12	45.6		Methyl-t-Butyl Ether (MTBE)	ND	91	6.0	45.6	
1,2-Dichloropropane	ND	46	8.0	45.6		Hexane	14	46	4.7	45.6	J,B
1,3-Dichloropropane	ND	46	100	45.6		Isopropanol	ND	2300	1000	45.6	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	100	71-137			1,2-Dichloroethane-d4	120	58-160				
1,4-Bromofluorobenzene	97	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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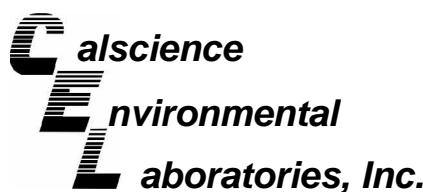
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-90	06-12-0520-14	12/07/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	43	5.5	0.852		2,2-Dichloropropane	ND	4.3	0.39	0.852	
Benzene	1.1	0.8	0.11	0.852		1,1-Dichloropropene	ND	1.7	0.19	0.852	
Bromobenzene	ND	0.85	0.18	0.852		c-1,3-Dichloropropene	ND	0.85	0.16	0.852	
Bromoform	ND	1.7	1.2	0.852		t-1,3-Dichloropropene	ND	1.7	1.6	0.852	
Bromochloromethane	ND	0.85	0.13	0.852		Ethylbenzene	ND	0.85	0.13	0.852	
Bromodichloromethane	ND	4.3	0.56	0.852		2-Hexanone	ND	17	4.8	0.852	
Bromomethane	ND	17	1.6	0.852		Isopropylbenzene	ND	0.85	0.10	0.852	
2-Butanone	ND	17	8.1	0.852		p-Isopropyltoluene	ND	0.85	0.098	0.852	
n-Butylbenzene	ND	0.85	0.19	0.852		Methylene Chloride	ND	8.5	4.4	0.852	
sec-Butylbenzene	ND	0.85	0.088	0.852		4-Methyl-2-Pentanone	ND	17	1.7	0.852	
tert-Butylbenzene	ND	0.85	0.11	0.852		Naphthalene	ND	8.5	0.28	0.852	
Carbon Disulfide	ND	8.5	0.15	0.852		n-Propylbenzene	ND	0.85	0.87	0.852	
Carbon Tetrachloride	ND	0.85	0.27	0.852		Styrene	ND	0.85	0.18	0.852	
Chlorobenzene	ND	0.85	0.13	0.852		1,1,1,2-Tetrachloroethane	ND	0.85	0.28	0.852	
Chloroethane	ND	1.7	0.35	0.852		1,1,2,2-Tetrachloroethane	ND	1.7	0.20	0.852	
Chloroform	0.26	0.85	0.15	0.852	J	Tetrachloroethene	0.35	0.85	0.14	0.852	J
Chloromethane	ND	17	2.5	0.852		Toluene	0.62	0.85	0.13	0.852	J,B
2-Chlorotoluene	ND	0.85	0.099	0.852		1,2,3-Trichlorobenzene	ND	1.7	0.17	0.852	
4-Chlorotoluene	ND	0.85	0.089	0.852		1,2,4-Trichlorobenzene	ND	1.7	0.16	0.852	
Dibromochloromethane	ND	1.7	0.17	0.852		1,1,1-Trichloroethane	ND	0.85	0.22	0.852	
1,2-Dibromo-3-Chloropropane	ND	4.3	3.1	0.852		1,1,2-Trichloroethane	ND	0.85	0.21	0.852	
1,2-Dibromoethane	ND	0.85	0.38	0.852		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.40	0.852	
Dibromomethane	ND	0.85	0.60	0.852		Trichloroethene	78	2	0.15	0.852	
1,2-Dichlorobenzene	ND	0.85	0.11	0.852		Trichlorofluoromethane	ND	8.5	0.13	0.852	
1,3-Dichlorobenzene	ND	0.85	0.14	0.852		1,2,3-Trichloropropane	ND	1.7	0.55	0.852	
1,4-Dichlorobenzene	ND	0.85	0.13	0.852		1,2,4-Trimethylbenzene	ND	1.7	0.099	0.852	
Dichlorodifluoromethane	ND	1.7	0.16	0.852		1,3,5-Trimethylbenzene	ND	1.7	0.084	0.852	
1,1-Dichloroethane	0.30	0.85	0.14	0.852	J	Vinyl Acetate	ND	8.5	6.4	0.852	
1,2-Dichloroethane	ND	0.85	0.15	0.852		Vinyl Chloride	ND	0.85	0.18	0.852	
1,1-Dichloroethene	0.51	0.85	0.12	0.852	J	p/m-Xylene	ND	1.7	0.17	0.852	
c-1,2-Dichloroethene	7.5	0.8	0.24	0.852		o-Xylene	ND	0.85	0.098	0.852	
t-1,2-Dichloroethene	ND	0.85	0.22	0.852		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.11	0.852	
1,2-Dichloropropane	ND	0.85	0.23	0.852		Hexane	ND	0.85	0.089	0.852	
1,3-Dichloropropane	ND	0.85	0.15	0.852		Isopropanol	ND	43	19	0.852	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	105	71-137		1,2-Dichloroethane-d4	123	58-160					
1,4-Bromofluorobenzene	96	66-126		Toluene-d8	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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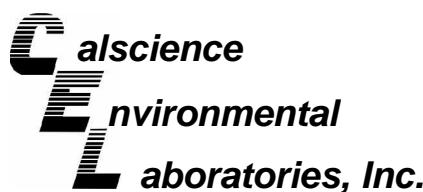
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-95	06-12-0520-15	12/07/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	7.6	41.0	5.2	0.813	J	2,2-Dichloropropane	ND	4.1	0.37	0.813	
Benzene	0.56	0.81	0.11	0.813	J	1,1-Dichloropropene	ND	1.6	0.18	0.813	
Bromobenzene	ND	0.81	0.17	0.813		c-1,3-Dichloropropene	ND	0.81	0.15	0.813	
Bromoform	ND	1.6	1.1	0.813		t-1,3-Dichloropropene	ND	1.6	1.5	0.813	
Bromochloromethane	ND	0.81	0.12	0.813		Ethylbenzene	ND	0.81	0.13	0.813	
Bromodichloromethane	ND	4.1	0.54	0.813		2-Hexanone	ND	16	4.5	0.813	
Bromomethane	ND	16	1.5	0.813		Isopropylbenzene	ND	0.81	0.096	0.813	
2-Butanone	ND	16	7.8	0.813		p-Isopropyltoluene	ND	0.81	0.094	0.813	
n-Butylbenzene	ND	0.81	0.18	0.813		Methylene Chloride	ND	8.1	4.2	0.813	
sec-Butylbenzene	ND	0.81	0.084	0.813		4-Methyl-2-Pentanone	ND	16	1.7	0.813	
tert-Butylbenzene	ND	0.81	0.10	0.813		Naphthalene	ND	8.1	0.26	0.813	
Carbon Disulfide	ND	8.1	0.14	0.813		n-Propylbenzene	ND	0.81	0.83	0.813	
Carbon Tetrachloride	ND	0.81	0.26	0.813		Styrene	ND	0.81	0.17	0.813	
Chlorobenzene	ND	0.81	0.12	0.813		1,1,1,2-Tetrachloroethane	ND	0.81	0.27	0.813	
Chloroethane	ND	1.6	0.34	0.813		1,1,2,2-Tetrachloroethane	ND	1.6	0.19	0.813	
Chloroform	ND	0.81	0.14	0.813		Tetrachloroethene	0.28	0.81	0.14	0.813	J
Chloromethane	ND	16	2.4	0.813		Toluene	0.38	0.81	0.12	0.813	J,B
2-Chlorotoluene	ND	0.81	0.095	0.813		1,2,3-Trichlorobenzene	ND	1.6	0.17	0.813	
4-Chlorotoluene	ND	0.81	0.085	0.813		1,2,4-Trichlorobenzene	ND	1.6	0.15	0.813	
Dibromochloromethane	ND	1.6	0.16	0.813		1,1,1-Trichloroethane	ND	0.81	0.21	0.813	
1,2-Dibromo-3-Chloropropane	ND	4.1	3.0	0.813		1,1,2-Trichloroethane	ND	0.81	0.20	0.813	
1,2-Dibromoethane	ND	0.81	0.36	0.813		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.38	0.813	
Dibromomethane	ND	0.81	0.57	0.813		Trichloroethene	70	2	0.15	0.813	
1,2-Dichlorobenzene	ND	0.81	0.10	0.813		Trichlorofluoromethane	ND	8.1	0.13	0.813	
1,3-Dichlorobenzene	ND	0.81	0.13	0.813		1,2,3-Trichloropropane	ND	1.6	0.53	0.813	
1,4-Dichlorobenzene	ND	0.81	0.13	0.813		1,2,4-Trimethylbenzene	ND	1.6	0.095	0.813	
Dichlorodifluoromethane	ND	1.6	0.16	0.813		1,3,5-Trimethylbenzene	ND	1.6	0.080	0.813	
1,1-Dichloroethane	0.29	0.81	0.13	0.813	J	Vinyl Acetate	ND	8.1	6.1	0.813	
1,2-Dichloroethane	ND	0.81	0.14	0.813		Vinyl Chloride	ND	0.81	0.17	0.813	
1,1-Dichloroethene	0.59	0.81	0.11	0.813	J	p/m-Xylene	ND	1.6	0.16	0.813	
c-1,2-Dichloroethene	7.1	0.8	0.23	0.813		o-Xylene	ND	0.81	0.093	0.813	
t-1,2-Dichloroethene	ND	0.81	0.21	0.813		Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.11	0.813	
1,2-Dichloropropane	ND	0.81	0.22	0.813		Hexane	ND	0.81	0.085	0.813	
1,3-Dichloropropane	ND	0.81	0.14	0.813		Isopropanol	ND	41	19	0.813	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	108	71-137			1,2-Dichloroethane-d4	123	58-160				
1,4-Bromofluorobenzene	96	66-126			Toluene-d8	98	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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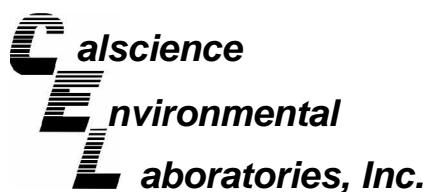
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-100	06-12-0520-16	12/07/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.4	47.0	6.0	0.938	J	2,2-Dichloropropane	ND	4.7	0.43	0.938	
Benzene	0.56	0.94	0.13	0.938	J	1,1-Dichloropropene	ND	1.9	0.21	0.938	
Bromobenzene	ND	0.94	0.20	0.938		c-1,3-Dichloropropene	ND	0.94	0.17	0.938	
Bromoform	ND	1.9	1.3	0.938		t-1,3-Dichloropropene	ND	1.9	1.8	0.938	
Bromochloromethane	ND	0.94	0.14	0.938		Ethylbenzene	ND	0.94	0.15	0.938	
Bromodichloromethane	ND	4.7	0.62	0.938		2-Hexanone	ND	19	5.2	0.938	
Bromomethane	ND	19	1.7	0.938		Isopropylbenzene	ND	0.94	0.11	0.938	
2-Butanone	ND	19	9.0	0.938		p-Isopropyltoluene	ND	0.94	0.11	0.938	
n-Butylbenzene	ND	0.94	0.21	0.938		Methylene Chloride	ND	9.4	4.9	0.938	
sec-Butylbenzene	ND	0.94	0.097	0.938		4-Methyl-2-Pentanone	ND	19	1.9	0.938	
tert-Butylbenzene	ND	0.94	0.12	0.938		Naphthalene	ND	9.4	0.30	0.938	
Carbon Disulfide	ND	9.4	0.16	0.938		n-Propylbenzene	ND	0.94	0.96	0.938	
Carbon Tetrachloride	ND	0.94	0.30	0.938		Styrene	ND	0.94	0.19	0.938	
Chlorobenzene	ND	0.94	0.14	0.938		1,1,1,2-Tetrachloroethane	ND	0.94	0.31	0.938	
Chloroethane	ND	1.9	0.39	0.938		1,1,2,2-Tetrachloroethane	ND	1.9	0.22	0.938	
Chloroform	ND	0.94	0.16	0.938		Tetrachloroethene	ND	0.94	0.16	0.938	
Chloromethane	ND	19	2.7	0.938		Toluene	0.44	0.94	0.14	0.938	J,B
2-Chlorotoluene	ND	0.94	0.11	0.938		1,2,3-Trichlorobenzene	ND	1.9	0.19	0.938	
4-Chlorotoluene	ND	0.94	0.098	0.938		1,2,4-Trichlorobenzene	ND	1.9	0.17	0.938	
Dibromochloromethane	ND	1.9	0.19	0.938		1,1,1-Trichloroethane	ND	0.94	0.24	0.938	
1,2-Dibromo-3-Chloropropane	ND	4.7	3.4	0.938		1,1,2-Trichloroethane	ND	0.94	0.23	0.938	
1,2-Dibromoethane	ND	0.94	0.42	0.938		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.4	0.44	0.938	
Dibromomethane	ND	0.94	0.66	0.938		Trichloroethene	40	2	0.17	0.938	
1,2-Dichlorobenzene	ND	0.94	0.12	0.938		Trichlorofluoromethane	ND	9.4	0.15	0.938	
1,3-Dichlorobenzene	ND	0.94	0.15	0.938		1,2,3-Trichloropropane	ND	1.9	0.61	0.938	
1,4-Dichlorobenzene	ND	0.94	0.14	0.938		1,2,4-Trimethylbenzene	ND	1.9	0.11	0.938	
Dichlorodifluoromethane	ND	1.9	0.18	0.938		1,3,5-Trimethylbenzene	ND	1.9	0.093	0.938	
1,1-Dichloroethane	ND	0.94	0.15	0.938		Vinyl Acetate	ND	9.4	7.0	0.938	
1,2-Dichloroethane	ND	0.94	0.16	0.938		Vinyl Chloride	ND	0.94	0.20	0.938	
1,1-Dichloroethene	0.17	0.94	0.13	0.938	J	p/m-Xylene	ND	1.9	0.19	0.938	
c-1,2-Dichloroethene	3.6	0.9	0.26	0.938		o-Xylene	ND	0.94	0.11	0.938	
t-1,2-Dichloroethene	ND	0.94	0.24	0.938		Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.12	0.938	
1,2-Dichloropropane	ND	0.94	0.25	0.938		Hexane	ND	0.94	0.098	0.938	
1,3-Dichloropropane	ND	0.94	0.16	0.938		Isopropanol	ND	47	21	0.938	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	104	71-137		1,2-Dichloroethane-d4	122	58-160					
1,4-Bromofluorobenzene	94	66-126		Toluene-d8	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

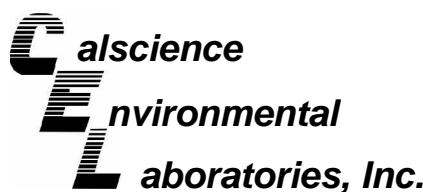
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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-35X	06-12-0520-18	12/06/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	26	46	5.9	0.926	J	2,2-Dichloropropane	ND	4.6	0.42	0.926	
Benzene	0.36	0.93	0.12	0.926	J	1,1-Dichloropropene	ND	1.9	0.20	0.926	
Bromobenzene	ND	0.93	0.19	0.926		c-1,3-Dichloropropene	ND	0.93	0.17	0.926	
Bromoform	ND	1.9	1.3	0.926		t-1,3-Dichloropropene	ND	1.9	1.8	0.926	
Bromochloromethane	ND	0.93	0.14	0.926		Ethylbenzene	ND	0.93	0.14	0.926	
Bromodichloromethane	ND	4.6	0.61	0.926		2-Hexanone	ND	19	5.2	0.926	
Bromomethane	ND	19	1.7	0.926		Isopropylbenzene	ND	0.93	0.11	0.926	
2-Butanone	ND	19	8.9	0.926		p-Isopropyltoluene	ND	0.93	0.11	0.926	
n-Butylbenzene	ND	0.93	0.21	0.926		Methylene Chloride	ND	9.3	4.8	0.926	
sec-Butylbenzene	ND	0.93	0.096	0.926		4-Methyl-2-Pentanone	ND	19	1.9	0.926	
tert-Butylbenzene	ND	0.93	0.11	0.926		Naphthalene	ND	9.3	0.30	0.926	
Carbon Disulfide	0.26	9.30	0.16	0.926	J	n-Propylbenzene	ND	0.93	0.95	0.926	
Carbon Tetrachloride	ND	0.93	0.30	0.926		Styrene	ND	0.93	0.19	0.926	
Chlorobenzene	ND	0.93	0.14	0.926		1,1,1,2-Tetrachloroethane	ND	0.93	0.31	0.926	
Chloroethane	ND	1.9	0.38	0.926		1,1,2,2-Tetrachloroethane	ND	1.9	0.21	0.926	
Chloroform	ND	0.93	0.16	0.926		Tetrachloroethene	ND	0.93	0.16	0.926	
Chloromethane	ND	19	2.7	0.926		Toluene	0.25	0.93	0.14	0.926	J,B
2-Chlorotoluene	ND	0.93	0.11	0.926		1,2,3-Trichlorobenzene	ND	1.9	0.19	0.926	
4-Chlorotoluene	ND	0.93	0.097	0.926		1,2,4-Trichlorobenzene	ND	1.9	0.17	0.926	
Dibromochloromethane	ND	1.9	0.18	0.926		1,1,1-Trichloroethane	ND	0.93	0.23	0.926	
1,2-Dibromo-3-Chloropropane	ND	4.6	3.4	0.926		1,1,2-Trichloroethane	ND	0.93	0.22	0.926	
1,2-Dibromoethane	ND	0.93	0.41	0.926		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.44	0.926	
Dibromomethane	ND	0.93	0.65	0.926		Trichloroethene	7.4	1.9	0.17	0.926	
1,2-Dichlorobenzene	ND	0.93	0.12	0.926		Trichlorofluoromethane	ND	9.3	0.14	0.926	
1,3-Dichlorobenzene	ND	0.93	0.15	0.926		1,2,3-Trichloropropane	ND	1.9	0.60	0.926	
1,4-Dichlorobenzene	ND	0.93	0.14	0.926		1,2,4-Trimethylbenzene	ND	1.9	0.11	0.926	
Dichlorodifluoromethane	ND	1.9	0.18	0.926		1,3,5-Trimethylbenzene	ND	1.9	0.091	0.926	
1,1-Dichloroethane	ND	0.93	0.15	0.926		Vinyl Acetate	ND	9.3	6.9	0.926	
1,2-Dichloroethane	ND	0.93	0.16	0.926		Vinyl Chloride	ND	0.93	0.20	0.926	
1,1-Dichloroethene	ND	0.93	0.13	0.926		p/m-Xylene	ND	1.9	0.19	0.926	
c-1,2-Dichloroethene	ND	0.93	0.26	0.926		o-Xylene	ND	0.93	0.11	0.926	
t-1,2-Dichloroethene	ND	0.93	0.23	0.926		Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.12	0.926	
1,2-Dichloropropane	ND	0.93	0.25	0.926		Hexane	3.7	0.9	0.096	0.926	
1,3-Dichloropropane	ND	0.93	0.16	0.926		Isopropanol	ND	46	21	0.926	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	105	71-137		1,2-Dichloroethane-d4	122	58-160					
1,4-Bromofluorobenzene	95	66-126		Toluene-d8	99	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

Page 20 of 25

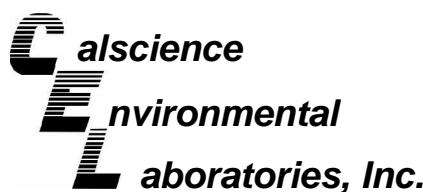
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TMP-4-90X	06-12-0520-19	12/07/06	Solid	12/06/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	42	5.3	0.833		2,2-Dichloropropane	ND	4.2	0.38	0.833	
Benzene	0.50	0.83	0.11	0.833	J	1,1-Dichloropropene	ND	1.7	0.18	0.833	
Bromobenzene	ND	0.83	0.17	0.833		c-1,3-Dichloropropene	ND	0.83	0.15	0.833	
Bromoform	ND	1.7	1.2	0.833		t-1,3-Dichloropropene	ND	1.7	1.6	0.833	
Bromochloromethane	ND	0.83	0.12	0.833		Ethylbenzene	ND	0.83	0.13	0.833	
Bromodichloromethane	ND	4.2	0.55	0.833		2-Hexanone	ND	17	4.7	0.833	
Bromomethane	ND	17	1.5	0.833		Isopropylbenzene	ND	0.83	0.099	0.833	
2-Butanone	ND	17	8.0	0.833		p-Isopropyltoluene	ND	0.83	0.096	0.833	
n-Butylbenzene	ND	0.83	0.19	0.833		Methylene Chloride	ND	8.3	4.3	0.833	
sec-Butylbenzene	ND	0.83	0.086	0.833		4-Methyl-2-Pentanone	ND	17	1.7	0.833	
tert-Butylbenzene	ND	0.83	0.10	0.833		Naphthalene	ND	8.3	0.27	0.833	
Carbon Disulfide	ND	8.3	0.15	0.833		n-Propylbenzene	ND	0.83	0.85	0.833	
Carbon Tetrachloride	ND	0.83	0.27	0.833		Styrene	ND	0.83	0.17	0.833	
Chlorobenzene	ND	0.83	0.12	0.833		1,1,1,2-Tetrachloroethane	ND	0.83	0.28	0.833	
Chloroethane	ND	1.7	0.35	0.833		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.833	
Chloroform	0.32	0.83	0.14	0.833	J	Tetrachloroethene	0.36	0.83	0.14	0.833	J
Chloromethane	ND	17	2.4	0.833		Toluene	0.38	0.83	0.13	0.833	J,B
2-Chlorotoluene	ND	0.83	0.097	0.833		1,2,3-Trichlorobenzene	ND	1.7	0.17	0.833	
4-Chlorotoluene	ND	0.83	0.087	0.833		1,2,4-Trichlorobenzene	ND	1.7	0.15	0.833	
Dibromochloromethane	ND	1.7	0.17	0.833		1,1,1-Trichloroethane	ND	0.83	0.21	0.833	
1,2-Dibromo-3-Chloropropane	ND	4.2	3.1	0.833		1,1,2-Trichloroethane	ND	0.83	0.20	0.833	
1,2-Dibromoethane	ND	0.83	0.37	0.833		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.39	0.833	
Dibromomethane	ND	0.83	0.58	0.833		Trichloroethene	73	2	0.15	0.833	
1,2-Dichlorobenzene	ND	0.83	0.11	0.833		Trichlorofluoromethane	ND	8.3	0.13	0.833	
1,3-Dichlorobenzene	ND	0.83	0.14	0.833		1,2,3-Trichloropropane	ND	1.7	0.54	0.833	
1,4-Dichlorobenzene	ND	0.83	0.13	0.833		1,2,4-Trimethylbenzene	ND	1.7	0.097	0.833	
Dichlorodifluoromethane	ND	1.7	0.16	0.833		1,3,5-Trimethylbenzene	ND	1.7	0.082	0.833	
1,1-Dichloroethane	0.30	0.83	0.13	0.833	J	Vinyl Acetate	ND	8.3	6.2	0.833	
1,2-Dichloroethane	ND	0.83	0.14	0.833		Vinyl Chloride	ND	0.83	0.18	0.833	
1,1-Dichloroethene	0.50	0.83	0.12	0.833	J	p/m-Xylene	ND	1.7	0.17	0.833	
c-1,2-Dichloroethene	6.3	0.8	0.24	0.833		o-Xylene	ND	0.83	0.096	0.833	
t-1,2-Dichloroethene	0.23	0.83	0.21	0.833	J	Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.11	0.833	
1,2-Dichloropropane	ND	0.83	0.22	0.833		Hexane	ND	0.83	0.087	0.833	
1,3-Dichloropropane	ND	0.83	0.15	0.833		Isopropanol	ND	42	19	0.833	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	108	71-137		1,2-Dichloroethane-d4	124	58-160					
1,4-Bromofluorobenzene	95	66-126		Toluene-d8	100	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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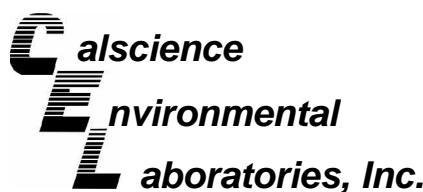
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-459-68	N/A	Solid	12/08/06	12/08/06	061208L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	1500	5000	640	100	J	2,2-Dichloropropane	ND	500	46	100	
Benzene	ND	100	13	100		1,1-Dichloropropene	ND	200	22	100	
Bromobenzene	ND	100	21	100		c-1,3-Dichloropropene	ND	100	18	100	
Bromoform	ND	200	140	100		t-1,3-Dichloropropene	ND	200	190	100	
Bromochloromethane	ND	100	15	100		Ethylbenzene	ND	100	15	100	
Bromodichloromethane	ND	500	66	100		2-Hexanone	ND	2000	560	100	
Bromomethane	ND	2000	180	100		Isopropylbenzene	ND	100	12	100	
2-Butanone	1100	2000	960	100	J	p-Isopropyltoluene	ND	100	12	100	
n-Butylbenzene	ND	100	22	100		Methylene Chloride	ND	1000	520	100	
sec-Butylbenzene	ND	100	10	100		4-Methyl-2-Pentanone	ND	2000	200	100	
tert-Butylbenzene	ND	100	12	100		Naphthalene	ND	1000	33	100	
Carbon Disulfide	ND	1000	18	100		n-Propylbenzene	ND	100	100	100	
Carbon Tetrachloride	ND	100	32	100		Styrene	ND	100	21	100	
Chlorobenzene	ND	100	15	100		1,1,1,2-Tetrachloroethane	ND	100	33	100	
Chloroethane	ND	200	42	100		1,1,2,2-Tetrachloroethane	ND	200	23	100	
Chloroform	ND	100	17	100		Tetrachloroethene	ND	100	17	100	
Chloromethane	ND	2000	290	100		Toluene	30	100	15	100	J
2-Chlorotoluene	ND	100	12	100		1,2,3-Trichlorobenzene	ND	200	20	100	
4-Chlorotoluene	ND	100	10	100		1,2,4-Trichlorobenzene	ND	200	18	100	
Dibromochloromethane	ND	200	20	100		1,1,1-Trichloroethane	ND	100	25	100	
1,2-Dibromo-3-Chloropropane	ND	500	370	100		1,1,2-Trichloroethane	ND	100	24	100	
1,2-Dibromoethane	ND	100	45	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	47	100	
Dibromomethane	ND	100	70	100		Trichloroethene	ND	200	18	100	
1,2-Dichlorobenzene	ND	100	13	100		Trichlorofluoromethane	ND	1000	16	100	
1,3-Dichlorobenzene	ND	100	16	100		1,2,3-Trichloropropane	ND	200	65	100	
1,4-Dichlorobenzene	ND	100	15	100		1,2,4-Trimethylbenzene	ND	200	12	100	
Dichlorodifluoromethane	ND	200	19	100		1,3,5-Trimethylbenzene	ND	200	9.9	100	
1,1-Dichloroethane	ND	100	16	100		Vinyl Acetate	ND	1000	750	100	
1,2-Dichloroethane	ND	100	17	100		Vinyl Chloride	ND	100	21	100	
1,1-Dichloroethene	ND	100	14	100		p/m-Xylene	ND	200	20	100	
c-1,2-Dichloroethene	ND	100	28	100		o-Xylene	ND	100	11	100	
t-1,2-Dichloroethene	ND	100	25	100		Methyl-t-Butyl Ether (MTBE)	ND	200	13	100	
1,2-Dichloropropane	ND	100	27	100		Hexane	17	100	10	100	J
1,3-Dichloropropane	ND	100	18	100		Isopropanol	ND	5000	2300	100	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	97	71-137			1,2-Dichloroethane-d4	110	58-160				
1,4-Bromofluorobenzene	98	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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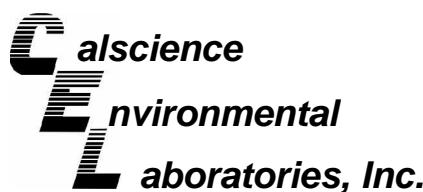
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-459-73	N/A	Solid	12/11/06	12/11/06	061211L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.4	1		2,2-Dichloropropane	ND	5.0	0.46	1	
Benzene	ND	1.0	0.13	1		1,1-Dichloropropene	ND	2.0	0.22	1	
Bromobenzene	ND	1.0	0.21	1		c-1,3-Dichloropropene	ND	1.0	0.18	1	
Bromoform	ND	2.0	1.4	1		t-1,3-Dichloropropene	ND	2.0	1.9	1	
Bromochloromethane	ND	1.0	0.15	1		Ethylbenzene	ND	1.0	0.15	1	
Bromodichloromethane	ND	5.0	0.66	1		2-Hexanone	ND	20	5.6	1	
Bromomethane	ND	20	1.8	1		Isopropylbenzene	ND	1.0	0.12	1	
2-Butanone	ND	20	9.6	1		p-Isopropyltoluene	ND	1.0	0.12	1	
n-Butylbenzene	ND	1.0	0.22	1		Methylene Chloride	ND	10	5.2	1	
sec-Butylbenzene	ND	1.0	0.10	1		4-Methyl-2-Pentanone	ND	20	2.0	1	
tert-Butylbenzene	ND	1.0	0.12	1		Naphthalene	ND	10	0.33	1	
Carbon Disulfide	ND	10	0.18	1		n-Propylbenzene	ND	1.0	1.0	1	
Carbon Tetrachloride	ND	1.0	0.32	1		Styrene	ND	1.0	0.21	1	
Chlorobenzene	ND	1.0	0.15	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.33	1	
Chloroethane	ND	2.0	0.42	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.23	1	
Chloroform	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.17	1	
Chloromethane	ND	20	2.9	1		Toluene	ND	1.0	0.15	1	
2-Chlorotoluene	ND	1.0	0.12	1		1,2,3-Trichlorobenzene	ND	2.0	0.20	1	
4-Chlorotoluene	ND	1.0	0.10	1		1,2,4-Trichlorobenzene	ND	2.0	0.18	1	
Dibromochloromethane	ND	2.0	0.20	1		1,1,1-Trichloroethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.7	1		1,1,2-Trichloroethane	ND	1.0	0.24	1	
1,2-Dibromoethane	ND	1.0	0.45	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.47	1	
Dibromomethane	ND	1.0	0.70	1		Trichloroethene	ND	2.0	0.18	1	
1,2-Dichlorobenzene	ND	1.0	0.13	1		Trichlorofluoromethane	ND	10	0.16	1	
1,3-Dichlorobenzene	ND	1.0	0.16	1		1,2,3-Trichloropropane	ND	2.0	0.65	1	
1,4-Dichlorobenzene	ND	1.0	0.15	1		1,2,4-Trimethylbenzene	ND	2.0	0.12	1	
Dichlorodifluoromethane	ND	2.0	0.19	1		1,3,5-Trimethylbenzene	ND	2.0	0.099	1	
1,1-Dichloroethane	ND	1.0	0.16	1		Vinyl Acetate	ND	10	7.5	1	
1,2-Dichloroethane	ND	1.0	0.17	1		Vinyl Chloride	ND	1.0	0.21	1	
1,1-Dichloroethene	ND	1.0	0.14	1		p/m-Xylene	ND	2.0	0.20	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1		o-Xylene	ND	1.0	0.11	1	
t-1,2-Dichloroethene	ND	1.0	0.25	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.13	1	
1,2-Dichloropropane	ND	1.0	0.27	1		Hexane	ND	1.0	0.10	1	
1,3-Dichloropropane	ND	1.0	0.18	1		Isopropanol	ND	50	23	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	100	71-137			1,2-Dichloroethane-d4	103	58-160				
1,4-Bromofluorobenzene	95	66-126			Toluene-d8	99	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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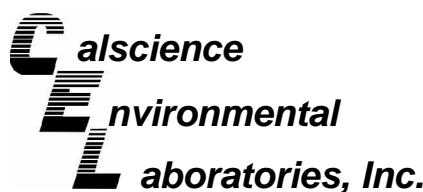
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-459-74	N/A	Solid	12/12/06	12/12/06	061212L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.4	1		2,2-Dichloropropane	ND	5.0	0.46	1	
Benzene	ND	1.0	0.13	1		1,1-Dichloropropene	ND	2.0	0.22	1	
Bromobenzene	ND	1.0	0.21	1		c-1,3-Dichloropropene	ND	1.0	0.18	1	
Bromoform	ND	2.0	1.4	1		t-1,3-Dichloropropene	ND	2.0	1.9	1	
Bromochloromethane	ND	1.0	0.15	1		Ethylbenzene	ND	1.0	0.15	1	
Bromodichloromethane	ND	5.0	0.66	1		2-Hexanone	ND	20	5.6	1	
Bromomethane	ND	20	1.8	1		Isopropylbenzene	ND	1.0	0.12	1	
2-Butanone	ND	20	9.6	1		p-Isopropyltoluene	ND	1.0	0.12	1	
n-Butylbenzene	ND	1.0	0.22	1		Methylene Chloride	ND	10	5.2	1	
sec-Butylbenzene	ND	1.0	0.10	1		4-Methyl-2-Pentanone	ND	20	2.0	1	
tert-Butylbenzene	ND	1.0	0.12	1		Naphthalene	ND	10	0.33	1	
Carbon Disulfide	ND	10	0.18	1		n-Propylbenzene	ND	1.0	1.0	1	
Carbon Tetrachloride	ND	1.0	0.32	1		Styrene	ND	1.0	0.21	1	
Chlorobenzene	ND	1.0	0.15	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.33	1	
Chloroethane	ND	2.0	0.42	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.23	1	
Chloroform	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.17	1	
Chloromethane	ND	20	2.9	1		Toluene	ND	1.0	0.15	1	
2-Chlorotoluene	ND	1.0	0.12	1		1,2,3-Trichlorobenzene	ND	2.0	0.20	1	
4-Chlorotoluene	ND	1.0	0.10	1		1,2,4-Trichlorobenzene	ND	2.0	0.18	1	
Dibromochloromethane	ND	2.0	0.20	1		1,1,1-Trichloroethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.7	1		1,1,2-Trichloroethane	ND	1.0	0.24	1	
1,2-Dibromoethane	ND	1.0	0.45	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.47	1	
Dibromomethane	ND	1.0	0.70	1		Trichloroethene	ND	2.0	0.18	1	
1,2-Dichlorobenzene	ND	1.0	0.13	1		Trichlorofluoromethane	ND	10	0.16	1	
1,3-Dichlorobenzene	ND	1.0	0.16	1		1,2,3-Trichloropropane	ND	2.0	0.65	1	
1,4-Dichlorobenzene	ND	1.0	0.15	1		1,2,4-Trimethylbenzene	ND	2.0	0.12	1	
Dichlorodifluoromethane	ND	2.0	0.19	1		1,3,5-Trimethylbenzene	ND	2.0	0.099	1	
1,1-Dichloroethane	ND	1.0	0.16	1		Vinyl Acetate	ND	10	7.5	1	
1,2-Dichloroethane	ND	1.0	0.17	1		Vinyl Chloride	ND	1.0	0.21	1	
1,1-Dichloroethene	ND	1.0	0.14	1		p/m-Xylene	ND	2.0	0.20	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1		o-Xylene	ND	1.0	0.11	1	
t-1,2-Dichloroethene	ND	1.0	0.25	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.13	1	
1,2-Dichloropropane	ND	1.0	0.27	1		Hexane	0.17	1.00	0.10	1	J
1,3-Dichloropropane	ND	1.0	0.18	1		Isopropanol	ND	50	23	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	100	71-137			1,2-Dichloroethane-d4	102	58-160				
1,4-Bromofluorobenzene	95	66-126			Toluene-d8	99	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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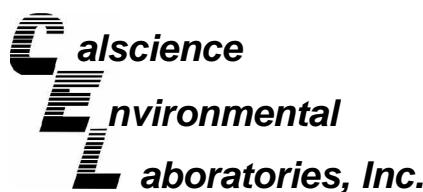
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-459-76	N/A	Solid	12/13/06	12/13/06	061213L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.4	1		2,2-Dichloropropane	ND	5.0	0.46	1	
Benzene	ND	1.0	0.13	1		1,1-Dichloropropene	ND	2.0	0.22	1	
Bromobenzene	ND	1.0	0.21	1		c-1,3-Dichloropropene	ND	1.0	0.18	1	
Bromoform	ND	2.0	1.4	1		t-1,3-Dichloropropene	ND	2.0	1.9	1	
Bromochloromethane	ND	1.0	0.15	1		Ethylbenzene	ND	1.0	0.15	1	
Bromodichloromethane	ND	5.0	0.66	1		2-Hexanone	ND	20	5.6	1	
Bromomethane	ND	20	1.8	1		Isopropylbenzene	ND	1.0	0.12	1	
2-Butanone	ND	20	9.6	1		p-Isopropyltoluene	ND	1.0	0.12	1	
n-Butylbenzene	ND	1.0	0.22	1		Methylene Chloride	ND	10	5.2	1	
sec-Butylbenzene	ND	1.0	0.10	1		4-Methyl-2-Pentanone	ND	20	2.0	1	
tert-Butylbenzene	ND	1.0	0.12	1		Naphthalene	ND	10	0.33	1	
Carbon Disulfide	ND	10	0.18	1		n-Propylbenzene	ND	1.0	1.0	1	
Carbon Tetrachloride	ND	1.0	0.32	1		Styrene	ND	1.0	0.21	1	
Chlorobenzene	ND	1.0	0.15	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.33	1	
Chloroethane	ND	2.0	0.42	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.23	1	
Chloroform	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.17	1	
Chloromethane	ND	20	2.9	1		Toluene	0.17	1.00	0.15	1	J
2-Chlorotoluene	ND	1.0	0.12	1		1,2,3-Trichlorobenzene	ND	2.0	0.20	1	
4-Chlorotoluene	ND	1.0	0.10	1		1,2,4-Trichlorobenzene	ND	2.0	0.18	1	
Dibromochloromethane	ND	2.0	0.20	1		1,1,1-Trichloroethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.7	1		1,1,2-Trichloroethane	ND	1.0	0.24	1	
1,2-Dibromoethane	ND	1.0	0.45	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.47	1	
Dibromomethane	ND	1.0	0.70	1		Trichloroethene	ND	2.0	0.18	1	
1,2-Dichlorobenzene	ND	1.0	0.13	1		Trichlorofluoromethane	ND	10	0.16	1	
1,3-Dichlorobenzene	ND	1.0	0.16	1		1,2,3-Trichloropropane	ND	2.0	0.65	1	
1,4-Dichlorobenzene	ND	1.0	0.15	1		1,2,4-Trimethylbenzene	ND	2.0	0.12	1	
Dichlorodifluoromethane	ND	2.0	0.19	1		1,3,5-Trimethylbenzene	ND	2.0	0.099	1	
1,1-Dichloroethane	ND	1.0	0.16	1		Vinyl Acetate	ND	10	7.5	1	
1,2-Dichloroethane	ND	1.0	0.17	1		Vinyl Chloride	ND	1.0	0.21	1	
1,1-Dichloroethene	ND	1.0	0.14	1		p/m-Xylene	ND	2.0	0.20	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1		o-Xylene	ND	1.0	0.11	1	
t-1,2-Dichloroethene	ND	1.0	0.25	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.13	1	
1,2-Dichloropropane	ND	1.0	0.27	1		Hexane	ND	1.0	0.10	1	
1,3-Dichloropropane	ND	1.0	0.18	1		Isopropanol	74	50	23	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>				
Dibromofluoromethane	99	71-137		1,2-Dichloroethane-d4	104	58-160					
1,4-Bromofluorobenzene	96	66-126		Toluene-d8	98	87-111					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: PEMACO

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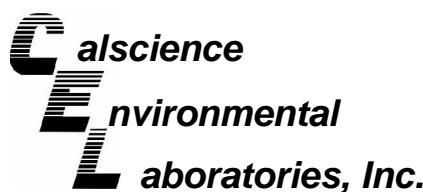
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-459-78	N/A	Solid	12/08/06	12/09/06	061208L04

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	920	5000	640	100	J	2,2-Dichloropropane	ND	500	46	100	
Benzene	ND	100	13	100		1,1-Dichloropropene	ND	200	22	100	
Bromobenzene	ND	100	21	100		c-1,3-Dichloropropene	ND	100	18	100	
Bromoform	ND	200	140	100		t-1,3-Dichloropropene	ND	200	190	100	
Bromochloromethane	ND	100	15	100		Ethylbenzene	ND	100	15	100	
Bromodichloromethane	ND	500	66	100		2-Hexanone	ND	2000	560	100	
Bromomethane	ND	2000	180	100		Isopropylbenzene	ND	100	12	100	
2-Butanone	ND	2000	960	100		p-Isopropyltoluene	ND	100	12	100	
n-Butylbenzene	ND	100	22	100		Methylene Chloride	730	1000	520	100	J
sec-Butylbenzene	ND	100	10	100		4-Methyl-2-Pentanone	ND	2000	200	100	
tert-Butylbenzene	ND	100	12	100		Naphthalene	ND	1000	33	100	
Carbon Disulfide	ND	1000	18	100		n-Propylbenzene	ND	100	100	100	
Carbon Tetrachloride	ND	100	32	100		Styrene	ND	100	21	100	
Chlorobenzene	ND	100	15	100		1,1,1,2-Tetrachloroethane	ND	100	33	100	
Chloroethane	ND	200	42	100		1,1,2,2-Tetrachloroethane	ND	200	23	100	
Chloroform	ND	100	17	100		Tetrachloroethene	ND	100	17	100	
Chloromethane	ND	2000	290	100		Toluene	ND	100	15	100	
2-Chlorotoluene	ND	100	12	100		1,2,3-Trichlorobenzene	ND	200	20	100	
4-Chlorotoluene	ND	100	10	100		1,2,4-Trichlorobenzene	ND	200	18	100	
Dibromochloromethane	ND	200	20	100		1,1,1-Trichloroethane	ND	100	25	100	
1,2-Dibromo-3-Chloropropane	ND	500	370	100		1,1,2-Trichloroethane	ND	100	24	100	
1,2-Dibromoethane	ND	100	45	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	47	100	
Dibromomethane	ND	100	70	100		Trichloroethene	ND	200	18	100	
1,2-Dichlorobenzene	ND	100	13	100		Trichlorofluoromethane	ND	1000	16	100	
1,3-Dichlorobenzene	ND	100	16	100		1,2,3-Trichloropropane	ND	200	65	100	
1,4-Dichlorobenzene	ND	100	15	100		1,2,4-Trimethylbenzene	ND	200	12	100	
Dichlorodifluoromethane	ND	200	19	100		1,3,5-Trimethylbenzene	ND	200	9.9	100	
1,1-Dichloroethane	ND	100	16	100		Vinyl Acetate	ND	1000	750	100	
1,2-Dichloroethane	ND	100	17	100		1,1-Dichloroethene	ND	100	14	100	
p/m-Xylene	ND	200	20	100		c-1,2-Dichloroethene	ND	100	28	100	
o-Xylene	ND	100	11	100		t-1,2-Dichloroethene	ND	100	25	100	
Vinyl Chloride	ND	100	21	100		Methyl-t-Butyl Ether (MTBE)	ND	200	13	100	
1,2-Dichloropropane	ND	100	27	100		Hexane	20	100	10	100	J
1,3-Dichloropropane	ND	100	18	100		Isopropanol	3500	5000	2300	100	J
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	102	71-137			1,2-Dichloroethane-d4	117	58-160				
1,4-Bromofluorobenzene	98	66-126			Toluene-d8	102	87-111				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: PEMACO

Page 1 of 2

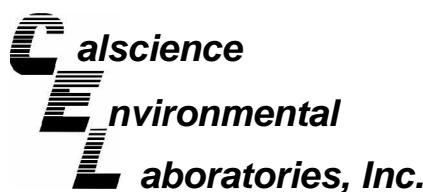
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EB-12.6.06	06-12-0520-17	12/06/06	Aqueous	12/08/06	12/08/06	061208L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	9.0	50.0	7.0	1	J	2,2-Dichloropropane	ND	1.0	0.29	1	
Benzene	ND	0.50	0.19	1		1,1-Dichloropropene	ND	1.0	0.62	1	
Bromobenzene	ND	1.0	0.26	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromoform	ND	1.0	0.88	1		t-1,3-Dichloropropene	ND	0.50	0.26	1	
Bromodichloromethane	ND	1.0	0.21	1		Ethylbenzene	ND	1.0	0.13	1	
Bromomethane	ND	1.0	0.87	1		2-Hexanone	ND	10	3.4	1	
2-Butanone	ND	10	3.5	1		Isopropylbenzene	ND	1.0	0.10	1	
n-Butylbenzene	ND	1.0	0.25	1		p-Isopropyltoluene	ND	1.0	0.14	1	
sec-Butylbenzene	ND	1.0	0.29	1		Methylene Chloride	ND	20	9.7	1	
tert-Butylbenzene	ND	1.0	0.19	1		4-Methyl-2-Pentanone	ND	10	2.0	1	
Carbon Disulfide	ND	10	1.8	1		Naphthalene	ND	10	0.42	1	
Carbon Tetrachloride	ND	0.50	0.29	1		n-Propylbenzene	ND	1.0	0.12	1	
Chlorobenzene	ND	1.0	0.16	1		Styrene	ND	1.0	0.16	1	
Chloroethane	ND	1.0	0.70	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloroform	ND	1.0	0.29	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.45	1	
Chloromethane	ND	10	2.1	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.16	1		Toluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.18	1		1,2,3-Trichlorobenzene	ND	1.0	0.26	1	
Dibromochloromethane	ND	1.0	0.39	1		1,2,4-Trichlorobenzene	ND	1.0	0.29	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	10	0.61	1	
1,2-Dibromoethane	ND	1.0	0.41	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.61	1	
Dibromomethane	ND	1.0	0.82	1		Trichloroethane	ND	1.0	0.79	1	
1,2-Dichlorobenzene	ND	1.0	0.15	1		Trichlorofluoromethane	ND	10	0.31	1	
1,3-Dichlorobenzene	ND	1.0	0.15	1		1,2,3-Trichloropropane	ND	10	0.83	1	
1,4-Dichlorobenzene	ND	1.0	0.17	1		1,2,4-Trimethylbenzene	ND	5.0	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.33	1		1,3,5-Trimethylbenzene	ND	1.0	0.13	1	
1,1-Dichloroethane	ND	1.0	0.25	1		Vinyl Acetate	ND	1.0	0.86	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Vinyl Chloride	ND	10	0.24	1	
1,1-Dichloroethene	ND	1.0	0.26	1		p/m-Xylene	ND	1.0	0.27	1	
c-1,2-Dichloroethene	ND	1.0	0.63	1		o-Xylene	ND	1.0	0.17	1	
t-1,2-Dichloroethene	ND	1.0	0.83	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
1,2-Dichloropropane	ND	1.0	0.55	1		Hexane	ND	1.0	0.33	1	
1,3-Dichloropropane	ND	1.0	0.28	1		Isopropanol	ND	100	29	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	109	74-146				
Toluene-d8	93	88-112			1,4-Bromofluorobenzene	86	74-110				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: PEMACO

Page 2 of 2

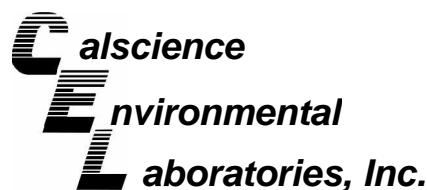
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-19,842	N/A	Aqueous	12/08/06	12/08/06	061208L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	7.0	1		2,2-Dichloropropane	ND	1.0	0.29	1	
Benzene	ND	0.50	0.19	1		1,1-Dichloropropene	ND	1.0	0.62	1	
Bromobenzene	ND	1.0	0.26	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromoform	ND	1.0	0.88	1		t-1,3-Dichloropropene	ND	0.50	0.26	1	
Bromochloromethane	ND	1.0	0.21	1		Ethylbenzene	ND	1.0	0.13	1	
Bromodichloromethane	ND	1.0	0.87	1		2-Hexanone	ND	10	3.4	1	
Bromomethane	ND	10	3.5	1		Isopropylbenzene	ND	1.0	0.10	1	
2-Butanone	ND	10	8.0	1		p-Isopropyltoluene	ND	1.0	0.14	1	
n-Butylbenzene	ND	1.0	0.25	1		Methylene Chloride	ND	10	9.7	1	
sec-Butylbenzene	ND	1.0	0.29	1		4-Methyl-2-Pentanone	ND	10	2.0	1	
tert-Butylbenzene	ND	1.0	0.19	1		Naphthalene	ND	10	0.42	1	
Carbon Disulfide	ND	10	1.8	1		n-Propylbenzene	ND	1.0	0.12	1	
Carbon Tetrachloride	ND	0.50	0.29	1		Styrene	ND	1.0	0.16	1	
Chlorobenzene	ND	1.0	0.16	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloroethane	ND	1.0	0.70	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.45	1	
Chloroform	ND	1.0	0.29	1		Tetrachloroethene	ND	1.0	0.30	1	
Chloromethane	ND	10	2.1	1		Toluene	ND	1.0	0.23	1	
2-Chlorotoluene	ND	1.0	0.16	1		1,2,3-Trichlorobenzene	ND	1.0	0.26	1	
4-Chlorotoluene	ND	1.0	0.18	1		1,2,4-Trichlorobenzene	ND	1.0	0.29	1	
Dibromochloromethane	ND	1.0	0.39	1		1,1,1-Trichloroethane	ND	1.0	0.35	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.61	1	
1,2-Dibromoethane	ND	1.0	0.41	1		1,1,2-Trichloroethane	ND	1.0	0.79	1	
Dibromomethane	ND	1.0	0.82	1		Trichloroethene	ND	1.0	0.31	1	
1,2-Dichlorobenzene	ND	1.0	0.15	1		Trichlorofluoromethane	ND	10	0.83	1	
1,3-Dichlorobenzene	ND	1.0	0.15	1		1,2,3-Trichloropropane	ND	5.0	2.8	1	
1,4-Dichlorobenzene	ND	1.0	0.17	1		1,2,4-Trimethylbenzene	ND	1.0	0.13	1	
Dichlorodifluoromethane	ND	1.0	0.33	1		1,3,5-Trimethylbenzene	ND	1.0	0.86	1	
1,1-Dichloroethane	ND	1.0	0.25	1		Vinyl Acetate	ND	10	6.4	1	
1,2-Dichloroethane	ND	0.50	0.25	1		Vinyl Chloride	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.26	1		p/m-Xylene	ND	1.0	0.27	1	
c-1,2-Dichloroethene	ND	1.0	0.63	1		o-Xylene	ND	1.0	0.17	1	
t-1,2-Dichloroethene	ND	1.0	0.83	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
1,2-Dichloropropane	ND	1.0	0.55	1		Hexane	ND	1.0	0.33	1	
1,3-Dichloropropane	ND	1.0	0.28	1		Isopropanol	ND	100	29	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>		
Dibromofluoromethane	106	74-140			1,2-Dichloroethane-d4	104	74-146				
Toluene-d8	96	88-112			1,4-Bromofluorobenzene	88	74-110				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501



Quality Control - Spike/Spike Duplicate



TN & Associates
Engineering & Science
317 East Main Street
Ventura, CA 93001-2624

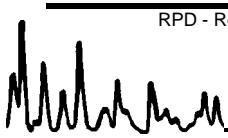
Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B

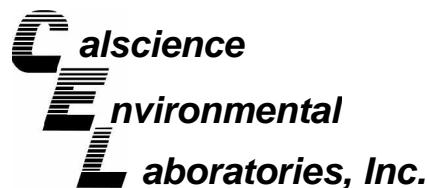
Project PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
TMP-4-80	Solid	GC/MS X	12/06/06	12/08/06	061208S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	97	40-142	4	0-18	
Carbon Tetrachloride	59	66	37-139	11	0-20	
Chlorobenzene	95	100	43-127	5	0-26	
1,2-Dichlorobenzene	94	98	40-160	4	0-36	
1,1-Dichloroethene	103	106	16-178	3	0-25	
Toluene	93	98	44-128	5	0-15	
Trichloroethene	98	110	47-131	7	0-19	
Vinyl Chloride	102	101	29-161	1	0-42	
Methyl-t-Butyl Ether (MTBE)	97	102	42-150	4	0-34	
Tert-Butyl Alcohol (TBA)	46	70	61-109	40	0-47	3
Diisopropyl Ether (DIPE)	98	102	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	90	96	73-132	7	0-25	
Tert-Amyl-Methyl Ether (TAME)	88	94	82-120	7	0-25	
Ethanol	89	92	39-117	4	0-99	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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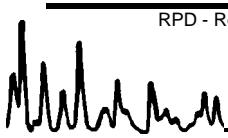
Date Received: 12/07/06
Work Order No: 06-12-0520
Preparation: EPA 5030B
Method: EPA 8260B

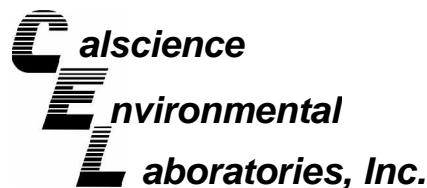
Project PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0469-1	Aqueous	GC/MS T	12/08/06	12/08/06	061208S01

Parameter	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	108	108	88-118	0	0-7	
Carbon Tetrachloride	99	101	67-145	2	0-11	
Chlorobenzene	108	108	88-118	0	0-7	
1,2-Dichlorobenzene	107	106	86-116	1	0-8	
1,1-Dichloroethene	105	106	70-130	0	0-25	
Toluene	104	103	87-123	1	0-8	
Trichloroethene	104	104	79-127	0	0-10	
Vinyl Chloride	85	87	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	94	95	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	72	79	36-168	9	0-45	
Diisopropyl Ether (DIPE)	113	113	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	90	92	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	89	72-126	0	0-12	
Ethanol	93	98	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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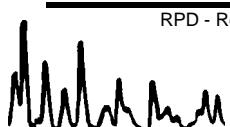
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Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B

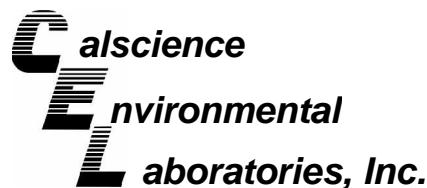
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-78	Solid	GC/MS X	12/08/06	12/08/06	061208L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	100	85-115	1	0-11	
Carbon Tetrachloride	84	85	68-134	2	0-14	
Chlorobenzene	98	97	83-119	1	0-9	
1,2-Dichlorobenzene	96	95	57-135	0	0-10	
1,1-Dichloroethene	115	117	72-120	1	0-10	
Toluene	97	97	67-127	0	0-10	
Trichloroethene	105	105	88-112	0	0-9	
Vinyl Chloride	99	100	57-129	2	0-16	
Methyl-t-Butyl Ether (MTBE)	107	110	76-124	3	0-12	
Tert-Butyl Alcohol (TBA)	93	102	31-145	9	0-23	
Diisopropyl Ether (DIPE)	107	108	74-128	1	0-10	
Ethyl-t-Butyl Ether (ETBE)	99	101	77-125	2	0-9	
Tert-Amyl-Methyl Ether (TAME)	95	98	81-123	3	0-10	
Ethanol	94	106	44-152	12	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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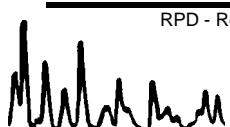
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Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B

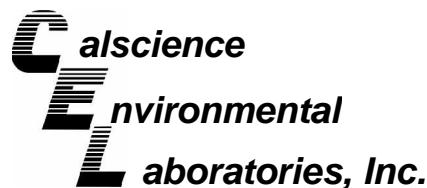
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-73	Solid	GC/MS X	12/11/06	12/11/06	061211L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	95	85-115	0	0-11	
Carbon Tetrachloride	86	90	68-134	4	0-14	
Chlorobenzene	92	94	83-119	2	0-9	
1,2-Dichlorobenzene	90	92	57-135	1	0-10	
1,1-Dichloroethene	93	94	72-120	0	0-10	
Toluene	92	93	67-127	2	0-10	
Trichloroethene	98	98	88-112	0	0-9	
Vinyl Chloride	98	97	57-129	1	0-16	
Methyl-t-Butyl Ether (MTBE)	83	78	76-124	5	0-12	
Tert-Butyl Alcohol (TBA)	62	52	31-145	18	0-23	
Diisopropyl Ether (DIPE)	88	87	74-128	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	94	91	77-125	4	0-9	
Tert-Amyl-Methyl Ether (TAME)	93	95	81-123	2	0-10	
Ethanol	93	86	44-152	8	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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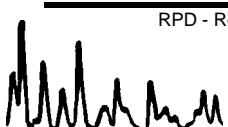
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Method: EPA 8260B

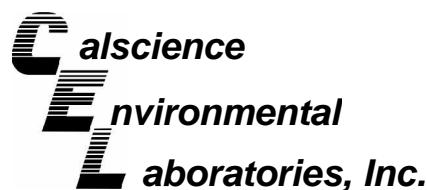
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-74	Solid	GC/MS JJ	12/12/06	12/12/06	061212L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	94	85-115	4	0-11	
Carbon Tetrachloride	105	101	68-134	4	0-14	
Chlorobenzene	96	95	83-119	1	0-9	
1,2-Dichlorobenzene	92	92	57-135	0	0-10	
1,1-Dichloroethene	110	105	72-120	5	0-10	
Toluene	98	95	67-127	4	0-10	
Trichloroethene	110	103	88-112	7	0-9	
Vinyl Chloride	98	98	57-129	0	0-16	
Methyl-t-Butyl Ether (MTBE)	104	102	76-124	2	0-12	
Tert-Butyl Alcohol (TBA)	94	90	31-145	5	0-23	
Diisopropyl Ether (DIPE)	103	101	74-128	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	107	103	77-125	4	0-9	
Tert-Amyl-Methyl Ether (TAME)	106	103	81-123	3	0-10	
Ethanol	96	96	44-152	0	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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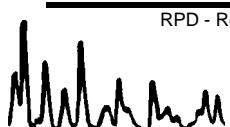
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Method: EPA 8260B

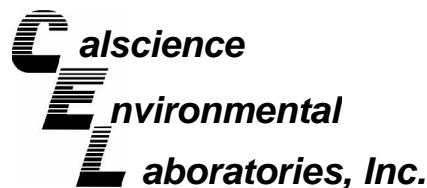
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-76	Solid	GC/MS X	12/13/06	12/13/06	061213L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	97	85-115	2	0-11	
Carbon Tetrachloride	93	93	68-134	0	0-14	
Chlorobenzene	100	100	83-119	0	0-9	
1,2-Dichlorobenzene	99	99	57-135	0	0-10	
1,1-Dichloroethene	93	90	72-120	3	0-10	
Toluene	97	96	67-127	2	0-10	
Trichloroethene	98	97	88-112	1	0-9	
Vinyl Chloride	94	93	57-129	2	0-16	
Methyl-t-Butyl Ether (MTBE)	79	86	76-124	9	0-12	
Tert-Butyl Alcohol (TBA)	69	75	31-145	8	0-23	
Diisopropyl Ether (DIPE)	84	87	74-128	3	0-10	
Ethyl-t-Butyl Ether (ETBE)	91	97	77-125	6	0-9	
Tert-Amyl-Methyl Ether (TAME)	101	105	81-123	3	0-10	
Ethanol	93	79	44-152	16	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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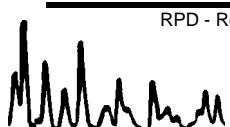
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Work Order No: 06-12-0520
Preparation: EPA 5035
Method: EPA 8260B

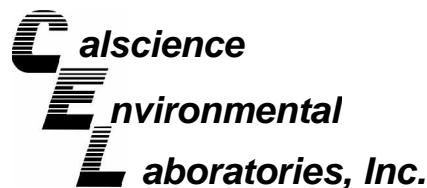
Project: PEMACO

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-459-68	Solid	GC/MS X	12/08/06	12/08/06	061208L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	85-115	0	0-11	
Carbon Tetrachloride	78	84	68-134	6	0-14	
Chlorobenzene	98	99	83-119	0	0-9	
1,2-Dichlorobenzene	99	98	57-135	0	0-10	
1,1-Dichloroethene	112	114	72-120	2	0-10	
Toluene	96	96	67-127	1	0-10	
Trichloroethene	101	99	88-112	1	0-9	
Vinyl Chloride	96	97	57-129	2	0-16	
Methyl-t-Butyl Ether (MTBE)	106	111	76-124	4	0-12	
Tert-Butyl Alcohol (TBA)	89	94	31-145	5	0-23	
Diisopropyl Ether (DIPE)	106	107	74-128	2	0-10	
Ethyl-t-Butyl Ether (ETBE)	96	99	77-125	3	0-9	
Tert-Amyl-Methyl Ether (TAME)	94	95	81-123	1	0-10	
Ethanol	100	104	44-152	5	0-24	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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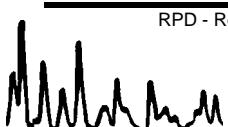
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Work Order No: 06-12-0520
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Project: PEMACO

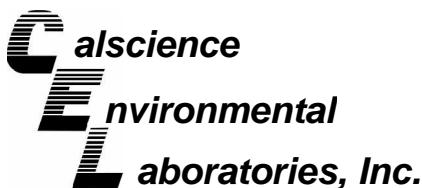
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,842	Aqueous	GC/MS T	12/08/06	12/08/06	061208L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	107	84-120	1	0-8	
Carbon Tetrachloride	99	101	63-147	2	0-10	
Chlorobenzene	106	105	89-119	1	0-7	
1,2-Dichlorobenzene	104	106	89-119	2	0-9	
1,1-Dichloroethene	104	107	77-125	3	0-16	
Toluene	100	101	83-125	1	0-9	
Trichloroethene	102	103	89-119	1	0-8	
Vinyl Chloride	86	87	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	94	96	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	73	74	46-154	1	0-32	
Diisopropyl Ether (DIPE)	113	115	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	92	94	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	90	76-124	2	0-10	
Ethanol	95	92	60-138	3	0-32	

RPD - Relative Percent Difference , CL - Control Limit



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Glossary of Terms and Qualifiers



Work Order Number: 06-12-0520

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

